

ISO 20022

Acquirer to Issuer Card Messages - Version 5

Message Definition Report - Part 2

Approved by the Cards and Related Retail Financial Services Standards Evaluation Group on 26 January 2026.

This document provides details of the Message Definitions for Acquirer to Issuer Card Messages - Version 5.

February 2026

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1 Message Set Overview

Introduction

This document describes the Acquirer to Issuer Card Messages message set. It includes the new version of the MessageDefinitions that have been added as part of the ATICA Fast-Track maintenance (See MCR #282) and approved by the Cards and Related Retail Financial Services Standards Evaluation Group on 26 January 2026.

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
caad.001.001.04 BatchManagementInitiationV04	<p>The BatchManagementInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) connected to a network.</p> <p>This message provides flow control information enabling a series of messages in batches and batches in collections to start, end or require checkpoints during the flow.</p>
caad.002.001.04 BatchManagementResponseV04	The BatchManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchManagementInitiation message.
caad.003.001.04 BatchTransferInitiationV04	The BatchTransferInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). This message is used to transfer a series of transactions or administrative information in a single exchange.
caad.004.001.04 BatchTransferResponseV04	The BatchTransferResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchTransferInitiation message.
caad.005.001.05 ReconciliationInitiationV05	<p>The ReconciliationInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer).</p> <p>Reconciliation is the exchange between two interchanging parties (Acquirer, Issuer or Agent) of totals and/or counts of messages within a specific session.</p>
caad.006.001.05 ReconciliationResponseV05	The ReconciliationResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a ReconciliationInitiation message.
caad.007.001.05 ErrorV05	The Error message is sent by any party to any party (acquirer, agent or issuer) to indicate a message error.
caad.008.001.03 AdministrativeInitiationV03	The AdministrativeInitiation message usually sent by any party (processor, clearing or settlement agent) to any party to inform anything that supports the business and technical infrastructure between parties.
caad.009.001.03 AdministrativeResponseV03	The AdministrativeResponse message is usually sent by any party (processor, clearing or settlement agent)

MessageDefinition	Definition
	to any party in response to a AdministrativeInitiation Message.
caad.010.001.03 CustomReportV03	<p>The Custom Report message can be initiated by any party and received by any party (acquirer, agent, issuer or other party) connected to a network.</p> <p>This message provides the capability to convey customized reports that are defined by bi-lateral agreement.</p>
cafc.001.001.04 FeeCollectionInitiationV04	The FeeCollectionInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) to claim or pay a miscellaneous service between financial institutions. Fee collection messages have financial impacts and affect reconciliation totals without affecting a cardholder account.
cafc.002.001.04 FeeCollectionResponseV04	The FeeCollectionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FeeCollectionInitiation message.
cafm.001.001.04 FileActionInitiationV04	<p>The FileActionInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer).</p> <p>This message is used to inquire, add, change, delete or replace a file or a record.</p>
cafm.002.001.04 FileActionResponseV04	A FileActionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FileActionInitiation message.
cafr.001.001.04 FraudReportingInitiationV04	A FraudReportingInitiation message is usually sent by a financial institution acting as an acquirer or as an issuer to an agent (processor, agent) to inform about a confirmed fraudulent transaction.
cafr.002.001.04 FraudReportingResponseV04	A FraudReportingResponse message is sent by an agent (processor, agent) to an issuer or acquirer in response to a FraudReportingInitiation message.
cafr.003.001.04 FraudDispositionInitiationV04	A FraudDispositionInitiation message is usually sent by an agent to a financial institution acting as an acquirer or as an issuer to report about the disposition of a confirmed fraudulent transaction.
cafr.004.001.04 FraudDispositionResponseV04	A FraudDispositionResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a FraudDispositionInitiation message.
cain.001.001.05 AuthorisationInitiationV05	AuthorisationInitiation message is sent by an acquirer or an agent to an issuer to request approval of a card transaction by the issuer or to inform the issuer about the completion of the authorisation. It can also be sent by an issuer to an acquirer or agent to advise about the result of an authorisation already performed.
cain.002.001.05 AuthorisationResponseV05	The AuthorisationResponse message is sent by an issuer or an agent to an acquirer in response to an AuthorisationInitiation message.
cain.003.001.05 FinancialInitiationV05	The FinancialInitiation message is sent by an acquirer or an agent to an issuer to request approval of a card transaction or to inform about the completion of an

MessageDefinition	Definition
	authorisation. It allows the approved transaction amount to be billed or posted on the cardholder's account. It can also be sent by an issuer to an acquirer or agent to advise that an authorisation has been successfully completed for the final amount and requests the clearing of the transaction.
cain.004.001.05 FinancialResponseV05	The FinancialResponse message is sent by an issuer or an agent to an acquirer in response to a FinancialInitiation message.
cain.005.001.05 ReversalInitiationV05	The ReversalInitiation message is sent by an acquirer, an originator or an agent to an issuer to request or advise of the reversal of an authorisation by the issuer. A reversal is a partial or complete nullification of the effects of a previous authorisation, financial presentment or financial accumulation presentment that cannot be processed as instructed (for example, is undeliverable and cancelled or the acquirer timed out waiting for a response).
cain.006.001.05 ReversalResponseV05	The ReversalResponse message is sent by an issuer or an agent to an acquirer in response to a ReversalInitiation message.
cain.014.001.04 RetrievalFulfilmentInitiationV04	<p>The RetrievalFulfilmentInitiation message is sent by an acquirer or agent to an issuer to support an issuer's retrieval request.</p> <p>The RetrievalFulfilmentInitiation message is the activity initiated by the acceptor, the acquirer or the relevant agent to support the issuer who has determined that a transaction information document needs to be examined before a potential chargeback is sent or to satisfy another need of the issuer or the cardholder. Only an issuer or its agent can initiate a retrieval request.</p>
cain.015.001.04 RetrievalFulfilmentResponseV04	The RetrievalFulfilmentResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a RetrievalFulfilmentInitiation message.
cain.016.001.04 InquiryVerificationInitiationV04	The Inquiry verification Initiation message is sent by an acquirer or agent to an issuer to request or verify information related to the card (e.g. about a cardholder, the availability of funds, etc.).
cain.017.001.04 InquiryVerificationResponseV04	The InquiryVerificationResponse message is sent by an issuer or an agent to an acquirer in response to an InquiryInitiation message.
cain.020.001.04 AmendmentV04	<p>The Amendment message can be initiated by any party and received by any party (acquirer, agent or issuer).</p> <p>This message is used to inform the originator that the original message has been corrected/amended and then forwarded to the destination on behalf of the originator. It contains a copy of the original message and any errors found. It may also contain any corrections and/or amendments that were made to the original message.</p>

MessageDefinition	Definition
cain.021.001.04 RetrievalInitiationV04	The RetrievalInitiation message is sent by an issuer or agent to an acquirer to retrieve the original transaction details.
cain.022.001.04 RetrievalResponseV04	The RetrievalResponse message is sent by an acquirer to an issuer or agent in response to an RetrievalInitiation message.
cain.023.001.04 CardManagementInitiationV04	The CardManagementInitiation message is sent by the acquirer to an issuer or agent to fulfil a request initiated by the cardholder at the point of service for an operation on the card account.
cain.024.001.04 CardManagementResponseV04	The CardManagementResponse message is sent by an issuer or an agent to an acquirer in response to a CardManagementInitiation message.
cain.025.001.04 AddendumInitiationV04	Provides supplemental data in addition to that which is required to complete an authorization initiation or financial initiation. The supplemental data is associated with an authorization or financial message.
cain.026.001.04 AddendumResponseV04	The AddendumResponse message is sent by an issuer or an agent to an acquirer in response to an AddendumInitiation message.
cain.027.001.04 ChargeBackInitiationV04	The ChargeBackInitiation message is sent by an issuer or agent to an acquirer to fully or partially nullify a previous financial transaction; namely when the issuer determines that a customer dispute exists or that an error or violation of rules has been committed. It is also used to nullify a previous chargeback. Chargebacks have a financial impact and should be computed within reconciliation totals.
cain.028.001.04 ChargeBackResponseV04	The ChargeBackResponse message is sent by an acquirer or an agent to an issuer in response to an ChargeBackInitiation message.
canm.001.001.05 NetworkManagementInitiationV05	The NetworkManagementInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) connected to a network. It covers the range of activities that control the operating conditions of the network.
canm.002.001.05 NetworkManagementResponseV05	The NetworkManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a NetworkManagementInitiation message.
canm.003.001.05 KeyExchangeInitiationV05	The KeyExchangeInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). This message is used to initiate a cryptographic key activity (request of a key change, request of the verification of a key, etc.).
canm.004.001.05 KeyExchangeResponseV05	The KeyExchangeResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a KeyExchangeInitiation message.
casr.001.001.04 SettlementReportingInitiationV04	The SettlementReportingInitiation message is usually sent by an agent (processor, clearing or settlement agent) to an acquirer, agent or issuer to inform about

MessageDefinition	Definition
	financial totals already settled or to be settled issued as an outcome of the clearing process.
casr.002.001.04 SettlementReportingResponseV04	The SettlementReportingResponse message is sent by any party (acquirer, agent or issuer) to an agent in response to a SettlementReportingInitiation message.

2 **caad.001.001.04** **BatchManagementInitiationV04**

2.1 **MessageDefinition Functionality**

The BatchManagementInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) connected to a network.

This message provides flow control information enabling a series of messages in batches and batches in collections to start, end or require checkpoints during the flow.

Outline

The BatchManagementInitiationV04 MessageDefinition is composed of 39 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. BatchManagementType

Type of batch management activity. P000-P999 reserved for private use, N000-N999 reserved for national use.

C. CollectionIdentification

Identification of a collection.

Mandatory for start or end of a collection and their acknowledgements if the batch is included in a collection.

All the messages included within the collection will have the same collection identification value.

D. BatchIdentification

Identification of a batch.

All the messages included within the batch will have the same batch identification value.

E. CollectionSize

Total length in bytes of the collection to be transferred.

F. OriginalCollectionIdentification

Identification of the original collection.

Mandatory when the collection containing the batch response has not the same identification as the collection containing the original batch.

G. OriginalBatchIdentification

Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

H. NumberOfBatchesInCollection

Number of batches in the collection.

For a start of collection, this is the number of expected batches if known.

For a start of collection acknowledgement, this is the maximum number of batches that can be received in the collection.

For an end of collection, this is the number of batches sent in the closing collection.

For an end of collection acknowledgement, this is the number of batches received in the collection.

I. NumberOfMessages

Number of messages.

For a start of collection, this is the number of expected messages in the collection if known.

For a start of batch, this is the number of expected messages in the batch if known.

For an AcknowledgementRequest , this is the number of sent messages since last check point.

For an AcknowledgementResponse, this is the number of received messages since last check point.

For an end of batch this is the number of received messages in the batch.

For an end of collection, this is the number of received messages in the collection.

Note: Batch management messages are excluded from the count.

J. RemainingMessagesInCollection

Number of remaining messages in the collection.

K. MessageSequenceNumber

For a start of collection, sequence number of first expected message of the collection.

For a start of batch, sequence number of first expected message of the batch.

For an AcknowledgementRequest , sequence number of the last message sent for this checkpoint.

For an AcknowledgementResponse, sequence number of the last message received for this checkpoint.

For an end of batch, sequence number of last message of the batch.

For an end of collection, sequence number of last message of the collection.

L. CollectionIdentificationList

List of collection identification that should have been sent or received.

M. BatchIdentificationList

List of batch identifications of the collection.

For a start of collection, the identification of expected batches, if known.

For an end of collection, this is the identification of batches sent in the closing collection.

For an end of collection acknowledgement, this is the identification of batches received in the collection.

N. CheckpointIdentification

Identification of a specific checkpoint.

O. CollectionChecksum

Checksum of the series of messages or batches in the collection.

P. BatchChecksum

Checksum of the series of messages in the batch or until a checkpoint.

Q. RequestAcknowledgement

Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

R. MessagesBeforeAcknowledgement

Maximum number of messages to be sent before acknowledgement. The receiver will send an acknowledgement response every time the indicated number of messages is reached.

S. PositiveAcknowledgement

Indicate whether the acknowledgement is positive or not.

True: Positive acknowledgement.

False: Negative acknowledgement.

T. Continuation

Indicates that batch or collection is not complete.

U. Originator

Identifies the originator of the transaction.

V. Sender

Party sending the message to another intermediary agent or to the final destination.

W. Receiver

Party receiving the message from the origin or from an intermediary agent.

X. Destination

Identifies the destination of the transaction.

Y. Programme

Programme, network, or brand processes the transaction.

Z. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

A TransmissionDateTime

- A. Date and time expressed in UTC of the message as sent by the initiator.

AB RetrievalReferenceNumber

- A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

AC LifeCycleIdentification

- Transaction lifecycle identification

A Correction

- D. Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

AE Jurisdiction

- Contains information that identifies or is specific to a transaction jurisdiction.

AF SettlementService

- Type of settlement service for specific services requiring settlement.

A Reconciliation

- G. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A OriginalResponseCode

- H. Original Response code.

AI. ProcessingResult

Outcome of the processing of the authorisation

AJ. ProtectedData

Contains protected data and the attributes used to protect the data.

A PrivateData

- K. Reserved for private data. The use of this data element is determined by bilateral agreement.

AL NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

M.

Trailer of the message containing a MAC

2.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <BtchMgmtInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		20
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		20
	CollectionIdentification <ColltnId>	[0..1]	Text		21
	BatchIdentification <BtchId>	[0..1]	Text		21
	CollectionSize <ColltnSz>	[0..1]	Quantity		21
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		21
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		21
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		22
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		22
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		22
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		23
	CollectionIdentificationList <ColltnIdList>	[0..*]	Text		23
	BatchIdentificationList <BtchIdList>	[0..*]	Text		23
	CheckpointIdentification <ChckptId>	[0..1]	Text		23
	CollectionChecksum <ColltnChcksm>	[0..1]	Binary		23
	BatchChecksum <BtchChcksm>	[0..1]	Binary		24
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		24
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		24
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		24
	Continuation <Conttn>	[0..1]	Indicator		24
	Originator <Orgtr>	[0..1]	±		25
	Sender <Sndr>	[0..1]	±		25
	Receiver <Rcvr>	[0..1]	±		26
	Destination <Dstn>	[0..1]	±		26
	Programme <Prgrmm>	[0..*]	±		26
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		27
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		27
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		27
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		27

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Correction <Crrctn>	[0..1]			27
	Indicator <Ind>	[0..1]	Indicator		28
	Date <Dt>	[0..1]	Date		28
	Time <Tm>	[0..1]	Time		28
	Jurisdiction <Jursdctn>	[0..1]			28
	DomesticIndicator <DmstInd>	[0..1]	Indicator		28
	DomesticQualification <DmstQlfctn>	[0..1]	Text		29
	SettlementService <SttlmSvc>	[0..1]	±		29
	Reconciliation <Rcncltn>	[0..1]	±		29
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		30
	ProcessingResult <PrccgRslt>	[0..1]	±		30
	ProtectedData <PrctcdData>	[0..*]			30
	Control <Ctrl>	[0..1]	Text		31
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		31
	DerivedInformation <DrvdInf>	[0..1]	Text		31
	Algorithm <Algo>	[0..1]	Text		32
	KeyLength <KeyLngth>	[0..1]	Text		32
	KeyProtection <KeyPrtcn>	[0..1]	Text		32
	KeyIndex <KeyIndx>	[0..1]	Text		32
	PaddingMethod <PddgMtd>	[0..1]	Text		32
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		32
	EncryptedElement <NcrptdElmt>	[1..*]			33
	Identification <Id>	[0..1]	Text		33
	Data <Data>	[1..1]			33
{Or	Binary <Binry>	[1..1]	Binary		33
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		33
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		34
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		34
	PrivateData <PrvtData>	[0..*]	(External Schema)		34
	NationalData <NtlData>	[0..*]	(External Schema)		34
	SecurityTrailer <SctyTrlr>	[0..1]	±		34

2.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

2.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

2.3.2 BatchManagementType <BtchMgmtTp>

Presence: [1..1]

Definition: Type of batch management activity. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "BatchManagementType3Code" on page 2108

CodeName	Name	Definition
AKRQ	AcknowledgementRequest	Acknowledgement requested by the originator to the destination (used with a notification message exclusively).
AKRP	AcknowledgementResponse	Acknowledgement response by the destination to the originator (used with a notification message exclusively).
ENDB	End	End of a collection or batch by the originator (used with a request message exclusively).
IDNT	IdentificationList	Contains a list of batch or collection identifications.

CodeName	Name	Definition
RERQ	ResendRequest	A request to resend a batch or collection.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

2.3.3 CollectionIdentification <ColltnId>

Presence: [0..1]

Definition: Identification of a collection.

Mandatory for start or end of a collection and their acknowledgements if the batch is included in a collection.

All the messages included within the collection will have the same collection identification value.

Datatype: "Max70Text" on page 2167

2.3.4 BatchIdentification <BtchId>

Presence: [0..1]

Definition: Identification of a batch.

All the messages included within the batch will have the same batch identification value.

Datatype: "Max70Text" on page 2167

2.3.5 CollectionSize <ColltnSz>

Presence: [0..1]

Definition: Total length in bytes of the collection to be transferred.

Datatype: "Number" on page 2154

2.3.6 OriginalCollectionIdentification <OrgnlColltnId>

Presence: [0..1]

Definition: Identification of the original collection.

Mandatory when the collection containing the batch response has not the same identification as the collection containing the original batch.

Datatype: "Max70Text" on page 2167

2.3.7 OriginalBatchIdentification <OrgnlBtchId>

Presence: [0..1]

Definition: Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

Datatype: "Max70Text" on page 2167

2.3.8 **NumberOfBatchesInCollection <NbOfBtchsInColltn>**

Presence: [0..1]

Definition: Number of batches in the collection.

For a start of collection, this is the number of expected batches if known.

For a start of collection acknowledgement, this is the maximum number of batches that can be received in the collection.

For an end of collection, this is the number of batches sent in the closing collection.

For an end of collection acknowledgement, this is the number of batches received in the collection.

Datatype: "Number" on page 2154

2.3.9 **NumberOfMessages <NbOfMsgs>**

Presence: [0..1]

Definition: Number of messages.

For a start of collection, this is the number of expected messages in the collection if known.

For a start of batch, this is the number of expected messages in the batch if known.

For an AcknowledgementRequest , this is the number of sent messages since last check point.

For an AcknowledgementResponse, this is the number of received messages since last check point.

For an end of batch this is the number of received messages in the batch.

For an end of collection, this is the number of received messages in the collection.

Note: Batch management messages are excluded from the count.

Datatype: "Number" on page 2154

2.3.10 **RemainingMessagesInCollection <RmngMsgsInColltn>**

Presence: [0..1]

Definition: Number of remaining messages in the collection.

Datatype: "Number" on page 2154

2.3.11 MessageSequenceNumber <MsgSeqNb>

Presence: [0..1]

Definition: For a start of collection, sequence number of first expected message of the collection.

For a start of batch, sequence number of first expected message of the batch.

For an AcknowledgementRequest , sequence number of the last message sent for this checkpoint.

For an AcknowledgementResponse, sequence number of the last message received for this checkpoint.

For an end of batch, sequence number of last message of the batch.

For an end of collection, sequence number of last message of the collection.

Datatype: "Max15NumericText" on page 2159

2.3.12 CollectionIdentificationList <ColltnIdList>

Presence: [0..*]

Definition: List of collection identification that should have been sent or received.

Datatype: "Max70Text" on page 2167

2.3.13 BatchIdentificationList <BtchIdList>

Presence: [0..*]

Definition: List of batch identifications of the collection.

For a start of collection, the identification of expected batches, if known.

For an end of collection, this is the identification of batches sent in the closing collection.

For an end of collection acknowledgement, this is the identification of batches received in the collection.

Datatype: "Max70Text" on page 2167

2.3.14 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 2167

2.3.15 CollectionChecksum <ColltnChcksm>

Presence: [0..1]

Definition: Checksum of the series of messages or batches in the collection.

Datatype: "Max35Binary" on page 2098

2.3.16 BatchChecksum <BtchChcksm>

Presence: [0..1]

Definition: Checksum of the series of messages in the batch or until a checkpoint.

Datatype: "Max35Binary" on page 2098

2.3.17 RequestAcknowledgement <ReqAck>

Presence: [0..1]

Definition: Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

2.3.18 MessagesBeforeAcknowledgement <MsgsBfrAck>

Presence: [0..1]

Definition: Maximum number of messages to be sent before acknowledgement. The receiver will send an acknowledgement response every time the indicated number of messages is reached.

Datatype: "Number" on page 2154

2.3.19 PositiveAcknowledgement <PostvAck>

Presence: [0..1]

Definition: Indicate whether the acknowledgement is positive or not.

True: Positive acknowledgement.

False: Negative acknowledgement.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

2.3.20 Continuation <Conttn>

Presence: [0..1]

Definition: Indicates that batch or collection is not complete.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

2.3.21 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

2.3.22 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

2.3.23 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

2.3.24 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

2.3.25 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

2.3.26 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

2.3.27 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

2.3.28 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "[Exact12Text](#)" on page 2155

2.3.29 LifecycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "[Exact15Text](#)" on page 2155

2.3.30 Correction <Crrctn>

Presence: [0..1]

Definition: Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

Correction <Crrctn> contains the following **CorrectionIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Indicator <Ind>	[0..1]	Indicator		28
	Date <Dt>	[0..1]	Date		28
	Time <Tm>	[0..1]	Time		28

2.3.30.1 Indicator <Ind>

Presence: [0..1]

Definition: Indicates the message contains an updated version of a message that was previously sent.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

2.3.30.2 Date <Dt>

Presence: [0..1]

Definition: Contains the date of the update.

Datatype: ["ISODate" on page 2151](#)

2.3.30.3 Time <Tm>

Presence: [0..1]

Definition: Contains the time of the update.

Datatype: ["ISOTime" on page 2169](#)

2.3.31 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		28
	DomesticQualification <DmstQlfctn>	[0..1]	Text		29

2.3.31.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

2.3.31.2 DomesticQualification <DmstQlfcnt>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

2.3.32 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

2.3.33 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see ["Reconciliation5" on page 2006](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

2.3.34 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: ["ISO8583ResponseCode" on page 2127](#)

2.3.35 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see ["ProcessingResult32" on page 2074](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

2.3.36 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		31
	KeySetIdentifier <KeySetldr>	[0..1]	Text		31
	DerivedInformation <DrvdInf>	[0..1]	Text		31
	Algorithm <Algo>	[0..1]	Text		32
	KeyLength <KeyLngth>	[0..1]	Text		32
	KeyProtection <KeyPrtcn>	[0..1]	Text		32
	KeyIndex <KeyIndx>	[0..1]	Text		32
	PaddingMethod <PddgMtd>	[0..1]	Text		32
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		32
	EncryptedElement <NcrptdElmt>	[1..*]			33
	Identification <Id>	[0..1]	Text		33
	Data <Data>	[1..1]			33
{Or	Binary <Binry>	[1..1]	Binary		33
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		33
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		34
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		34

2.3.36.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

2.3.36.2 KeySetIdentifier <KeySetldr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

2.3.36.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

2.3.36.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

2.3.36.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

2.3.36.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

2.3.36.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

2.3.36.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

2.3.36.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

2.3.36.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		33
	Data <Data>	[1..1]			33
{Or	Binary <Binry>	[1..1]	Binary		33
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		33
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		34
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		34

2.3.36.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

2.3.36.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		33
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		33

2.3.36.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

2.3.36.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

2.3.36.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

2.3.36.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

2.3.37 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

2.3.38 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

2.3.39 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

3 **caad.002.001.04** **BatchManagementResponseV04**

3.1 **MessageDefinition Functionality**

The BatchManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchManagementInitiation message.

Outline

The BatchManagementResponseV04 MessageDefinition is composed of 40 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. BatchManagementType

Type of batch management activity.

C. CollectionIdentification

Identification of a collection.

Mandatory for start or end of a collection and their acknowledgements if the batch is included in a collection.

All the messages included within the collection will have the same collection identification value.

D. BatchIdentification

Identification of a batch.

All the messages included within the batch will have the same batch identification value.

E. CollectionSize

Total length in bytes of the collection to be transferred.

F. OriginalCollectionIdentification

Identification of the original collection.

Mandatory when the collection containing the batch response has not the same identification as the collection containing the original batch.

G. OriginalBatchIdentification

Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

H. NumberOfBatchesInCollection

Number of batches in the collection.

For a start of collection, this is the number of expected batches if known.

For a start of collection acknowledgement, this is the maximum number of batches that can be received in the collection.

For an end of collection, this is the number of batches sent in the closing collection.

For an end of collection acknowledgement, this is the number of batches received in the collection.

I. NumberOfMessages

Number of messages.

For a start of collection, this is the number of expected messages in the collection if known.

For a start of batch, this is the number of expected messages in the batch if known.

For an AcknowledgementRequest , this is the number of sent messages since last check point.

For an AcknowledgementResponse, this is the number of received messages since last check point.

For an end of batch this is the number of received messages in the batch.

For an end of collection, this is the number of received messages in the collection.

Note: Batch management messages are excluded from the count.

J. RemainingMessagesInCollection

Number of remaining messages in the collection.

K. MessageSequenceNumber

For a start of collection, sequence number of first expected message of the collection.

For a start of batch, sequence number of first expected message of the batch.

For an AcknowledgementRequest , sequence number of the last message sent for this checkpoint.

For an AcknowledgementResponse, sequence number of the last message received for this checkpoint.

For an end of batch, sequence number of last message of the batch.

For an end of collection, sequence number of last message of the collection.

L. CollectionIdentificationList

List of collection identification that should have been sent or received.

M. BatchIdentificationList

List of batch identifications of the collection.

For a start of collection, the identification of expected batches, if known.

For an end of collection, this is the identification of batches sent in the closing collection.

For an end of collection acknowledgement, this is the identification of batches received in the collection.

N. CheckpointIdentification

Identification of a specific checkpoint.

O. CollectionChecksum

Checksum of the series of messages or batches in the collection.

P. BatchChecksum

Checksum of the series of messages in the batch or until a checkpoint.

Q. RequestAcknowledgement

Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

R. MessagesBeforeAcknowledgement

Maximum number of messages to be sent before acknowledgement. The receiver will send an acknowledgement response every time the indicated number of messages is reached.

S. PositiveAcknowledgement

Indicate whether the acknowledgement is positive or not.

True: Positive acknowledgement.

False: Negative acknowledgement.

T. Continuation

Indicates that batch or collection is not complete.

U. Originator

Identifies the originator of the transaction.

V. Sender

Party sending the message to another intermediary agent or to the final destination.

W. Receiver

Party receiving the message from the origin or from an intermediary agent.

X. Destination

Identifies the destination of the transaction.

Y. Programme

Programme, network, or brand processes the transaction.

Z. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

A TransmissionDateTime

A. Date and time expressed in UTC of the message as sent by the initiator.

AB RetrievalReferenceNumber

· A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

AC LifeCycleIdentification

· Transaction lifecycle identification

A Correction

D. Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

AE Jurisdiction

· Contains information that identifies or is specific to a transaction jurisdiction.

AF SettlementService

· Type of settlement service for specific services requiring settlement.

A AdditionalFee

G. Fees not included in the transaction amount.

A Reconciliation

H. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

AI. OriginalResponseCode

Original Response code defined in ISO 8583.

AJ. ProcessingResult

Outcome of processing.

A ProtectedData

K. Contains protected data and the attributes used to protect the data.

AL PrivateData

· Reserved for private data. The use of this data element is determined by bilateral agreement.

A NationalData

M. Reserved to define data unique to the country applications.

A SecurityTrailer

N. Trailer of the message containing a MAC

3.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <BtchMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		42
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		42
	CollectionIdentification <ColltnId>	[0..1]	Text		43
	BatchIdentification <BtchId>	[0..1]	Text		43
	CollectionSize <ColltnSz>	[0..1]	Quantity		43
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		43
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		44
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		44
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		44
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		45
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		45
	CollectionIdentificationList <ColltnIdList>	[0..*]	Text		45
	BatchIdentificationList <BtchIdList>	[0..*]	Text		45
	CheckpointIdentification <ChckptId>	[0..1]	Text		45
	CollectionChecksum <ColltnChcksm>	[0..1]	Binary		46
	BatchChecksum <BtchChcksm>	[0..1]	Binary		46
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		46
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		46
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		46
	Continuation <Conttn>	[0..1]	Indicator		47
	Originator <Orgtr>	[0..1]	±		47
	Sender <Sndr>	[0..1]	±		47
	Receiver <Rcvr>	[0..1]	±		48
	Destination <Dstn>	[0..1]	±		48
	Programme <Prgrmm>	[0..*]	±		49
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		49
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		49
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		50
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		50

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Correction <Crrctn>	[0..1]			50
	Indicator <Ind>	[0..1]	Indicator		50
	Date <Dt>	[0..1]	Date		50
	Time <Tm>	[0..1]	Time		50
	Jurisdiction <Jursdctn>	[0..1]			51
	DomesticIndicator <DmstInd>	[0..1]	Indicator		51
	DomesticQualification <DmstQlfctn>	[0..1]	Text		51
	SettlementService <SttlmSvc>	[0..1]	±		51
	AdditionalFee <AddtlFee>	[0..*]	±		52
	Reconciliation <Rcncltn>	[0..1]	±		53
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		53
	ProcessingResult <PrcgRslt>	[1..1]	±		54
	ProtectedData <PrctcdData>	[0..*]			54
	Control <Ctrl>	[0..1]	Text		55
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		55
	DerivedInformation <DrvdInf>	[0..1]	Text		55
	Algorithm <Algo>	[0..1]	Text		56
	KeyLength <KeyLngth>	[0..1]	Text		56
	KeyProtection <KeyPrtcn>	[0..1]	Text		56
	KeyIndex <KeyIndx>	[0..1]	Text		56
	PaddingMethod <PddgMtd>	[0..1]	Text		56
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		56
	EncryptedElement <NcrptdElmt>	[1..*]			57
	Identification <Id>	[0..1]	Text		57
	Data <Data>	[1..1]			57
{Or	Binary <Binry>	[1..1]	Binary		57
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		57
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		58
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		58
	PrivateData <PrvtData>	[0..*]	(External Schema)		58
	NationalData <NtlData>	[0..*]	(External Schema)		58

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityTrailer <SctyTrlr>	[0..1]	±		58

3.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

3.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see ["Header72" on page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <Xchgld>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntnr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <Colltnld>	[0..1]	Text		1897
	BatchIdentification <Btchld>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyld>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyld>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

3.4.2 BatchManagementType <BtchMgmtTp>

Presence: [1..1]

Definition: Type of batch management activity.

Datatype: ["BatchManagementType3Code" on page 2108](#)

CodeName	Name	Definition
AKRQ	AcknowledgementRequest	Acknowledgement requested by the originator to the destination (used with a notification message exclusively).
AKRP	AcknowledgementResponse	Acknowledgement response by the destination to the originator (used with a notification message exclusively).
ENDB	End	End of a collection or batch by the originator (used with a request message exclusively).
IDNT	IdentificationList	Contains a list of batch or collection identifications.
RERQ	ResendRequest	A request to resend a batch or collection.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

3.4.3 CollectionIdentification <ColltnId>

Presence: [0..1]

Definition: Identification of a collection.

Mandatory for start or end of a collection and their acknowledgements if the batch is included in a collection.

All the messages included within the collection will have the same collection identification value.

Datatype: "Max70Text" on page 2167

3.4.4 BatchIdentification <BtchId>

Presence: [0..1]

Definition: Identification of a batch.

All the messages included within the batch will have the same batch identification value.

Datatype: "Max70Text" on page 2167

3.4.5 CollectionSize <ColltnSz>

Presence: [0..1]

Definition: Total length in bytes of the collection to be transferred.

Datatype: "Number" on page 2154

3.4.6 OriginalCollectionIdentification <OrgnlColltnId>

Presence: [0..1]

Definition: Identification of the original collection.

Mandatory when the collection containing the batch response has not the same identification as the collection containing the original batch.

Datatype: "Max70Text" on page 2167

3.4.7 OriginalBatchIdentification <OrgnlBtchId>

Presence: [0..1]

Definition: Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

Datatype: "Max70Text" on page 2167

3.4.8 NumberOfBatchesInCollection <NbOfBtchsInColltn>

Presence: [0..1]

Definition: Number of batches in the collection.

For a start of collection, this is the number of expected batches if known.

For a start of collection acknowledgement, this is the maximum number of batches that can be received in the collection.

For an end of collection, this is the number of batches sent in the closing collection.

For an end of collection acknowledgement, this is the number of batches received in the collection.

Datatype: "Number" on page 2154

3.4.9 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages.

For a start of collection, this is the number of expected messages in the collection if known.

For a start of batch, this is the number of expected messages in the batch if known.

For an AcknowledgementRequest , this is the number of sent messages since last check point.

For an AcknowledgementResponse, this is the number of received messages since last check point.

For an end of batch this is the number of received messages in the batch.

For an end of collection, this is the number of received messages in the collection.

Note: Batch management messages are excluded from the count.

Datatype: "Number" on page 2154

3.4.10 RemainingMessagesInCollection <RmngMsgsInColltn>

Presence: [0..1]

Definition: Number of remaining messages in the collection.

Datatype: "Number" on page 2154

3.4.11 MessageSequenceNumber <MsgSeqNb>

Presence: [0..1]

Definition: For a start of collection, sequence number of first expected message of the collection.

For a start of batch, sequence number of first expected message of the batch.

For an AcknowledgementRequest , sequence number of the last message sent for this checkpoint.

For an AcknowledgementResponse, sequence number of the last message received for this checkpoint.

For an end of batch, sequence number of last message of the batch.

For an end of collection, sequence number of last message of the collection.

Datatype: "Max15NumericText" on page 2159

3.4.12 CollectionIdentificationList <ColltnIdList>

Presence: [0..*]

Definition: List of collection identification that should have been sent or received.

Datatype: "Max70Text" on page 2167

3.4.13 BatchIdentificationList <BtchIdList>

Presence: [0..*]

Definition: List of batch identifications of the collection.

For a start of collection, the identification of expected batches, if known.

For an end of collection, this is the identification of batches sent in the closing collection.

For an end of collection acknowledgement, this is the identification of batches received in the collection.

Datatype: "Max70Text" on page 2167

3.4.14 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 2167

3.4.15 **CollectionChecksum <ColltnChcksm>**

Presence: [0..1]

Definition: Checksum of the series of messages or batches in the collection.

Datatype: "Max35Binary" on page 2098

3.4.16 **BatchChecksum <BtchChcksm>**

Presence: [0..1]

Definition: Checksum of the series of messages in the batch or until a checkpoint.

Datatype: "Max35Binary" on page 2098

3.4.17 **RequestAcknowledgement <ReqAck>**

Presence: [0..1]

Definition: Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

3.4.18 **MessagesBeforeAcknowledgement <MsgsBfrAck>**

Presence: [0..1]

Definition: Maximum number of messages to be sent before acknowledgement. The receiver will send an acknowledgement response every time the indicated number of messages is reached.

Datatype: "Number" on page 2154

3.4.19 **PositiveAcknowledgement <PostvAck>**

Presence: [0..1]

Definition: Indicate whether the acknowledgement is positive or not.

True: Positive acknowledgement.

False: Negative acknowledgement.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

3.4.20 Continuation <Conttn>

Presence: [0..1]

Definition: Indicates that batch or collection is not complete.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

3.4.21 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see ["OriginatorData2"](#) on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

3.4.22 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

3.4.23 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

3.4.24 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

3.4.25 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

3.4.26 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

3.4.27 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

3.4.28 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

3.4.29 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

3.4.30 Correction <Crrctn>

Presence: [0..1]

Definition: Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

Correction <Crrctn> contains the following **CorrectionIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Indicator <Ind>	[0..1]	Indicator		50
	Date <Dt>	[0..1]	Date		50
	Time <Tm>	[0..1]	Time		50

3.4.30.1 Indicator <Ind>

Presence: [0..1]

Definition: Indicates the message contains an updated version of a message that was previously sent.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

3.4.30.2 Date <Dt>

Presence: [0..1]

Definition: Contains the date of the update.

Datatype: "ISODate" on page 2151

3.4.30.3 Time <Tm>

Presence: [0..1]

Definition: Contains the time of the update.

Datatype: "ISOTime" on page 2169

3.4.31 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		51
	DomesticQualification <DmstQlfctn>	[0..1]	Text		51

3.4.31.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

3.4.31.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

3.4.32 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

3.4.33 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

3.4.34 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

3.4.35 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code defined in ISO 8583.

Datatype: "ISO8583ResponseCode" on page 2127

3.4.36 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

3.4.37 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		55
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		55
	DerivedInformation <DrvdInf>	[0..1]	Text		55
	Algorithm <Algo>	[0..1]	Text		56
	KeyLength <KeyLngth>	[0..1]	Text		56
	KeyProtection <KeyPrtc>	[0..1]	Text		56
	KeyIndex <KeyIndx>	[0..1]	Text		56
	PaddingMethod <PddgMtd>	[0..1]	Text		56
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		56
	EncryptedElement <NcrptdElmt>	[1..*]			57
	Identification <Id>	[0..1]	Text		57
	Data <Data>	[1..1]			57
{Or	Binary <Binry>	[1..1]	Binary		57
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		57
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		58
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		58

3.4.37.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

3.4.37.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

3.4.37.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

3.4.37.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

3.4.37.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

3.4.37.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

3.4.37.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

3.4.37.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

3.4.37.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

3.4.37.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		57
	Data <Data>	[1..1]			57
{Or	Binary <Binry>	[1..1]	Binary		57
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		57
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		58
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		58

3.4.37.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

3.4.37.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		57
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		57

3.4.37.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

3.4.37.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

3.4.37.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

3.4.37.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

3.4.38 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

3.4.39 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

3.4.40 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

4 caad.003.001.04 BatchTransferInitiationV04

4.1 MessageDefinition Functionality

The BatchTransferInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). This message is used to transfer a series of transactions or administrative information in a single exchange.

Outline

The BatchTransferInitiationV04 MessageDefinition is composed of 25 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. BatchIdentification

Identification of a batch.

All the messages included within the batch will have the same batch identification value.

C. OriginalBatchIdentification

Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

D. NumberOfMessages

Number of messages.

For a start of a collection, this is the number of expected messages in the collection if known. This is also the last expected message sequence number in the collection.

For a start of a batch, this is the number of expected messages in the batch if known. This is also the last expected message sequence number in the batch.

For a start of a batch acknowledgement, this is the maximum number of messages that can be received in the batch.

For an intermediate acknowledgement, this is the last message sequence number received in sequence.

For an intermediate checkpoint, this is the message sequence number of the last received message.

For an end of batch this is the last message sequence number sent in the closing batch, equal to the number of messages sent in the batch.

For an end of batch acknowledgement, this is the last sequence number received in the sequence.

E. BatchChecksum

Checksum of the series of messages received in the batch or until a checkpoint.

F. RequestAcknowledgement

Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

G. Originator

Information related to the originator.

H. Destination

Information related to the destination.

I. Programme

Programme, network, or brand processes the transaction.

J. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

K. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

L. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

M. LifeCycleIdentification

Transaction lifecycle identification

N. ClearingBatchData

Clearing data at batch level allowing clearing in different currencies.

O. ClearingControlTotals

Gross amount clearing totals.

P. Record

Record in batch.

Q. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

R. SettlementService

Type of settlement service for specific services requiring settlement.

S. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

T. OriginalResponseCode

Original Response code.

U. ProcessingResult

Outcome of the processing of the authorisation

V. ProtectedData

Contains protected data and the attributes used to protect the data.

W. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

X. NationalData

Reserved to define data unique to the country applications.

Y. SecurityTrailer

Trailer of the message containing a MAC

4.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <BtchTrflnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		64
	BatchIdentification <BtchId>	[0..1]	Text		65
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		65
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		65
	BatchChecksum <BtchChcksm>	[0..1]	Binary		66
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		66
	Originator <Orgtr>	[0..1]	±		66
	Destination <Dstn>	[0..1]	±		67
	Programme <Prgrmm>	[0..*]	±		67
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		68
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		68
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		68
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		68
	ClearingBatchData <ClrBtchData>	[0..*]	±		68
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			69
	Count <Cnt>	[1..1]	Quantity		69
	Amount <Amt>	[1..1]	Amount		69
	Currency <Ccy>	[0..1]	CodeSet	C1	70
	CreditDebit <CdtDbt>	[0..1]	CodeSet		70
	Record <Rcrd>	[0..*]	±		70
	Jurisdiction <Jursdctn>	[0..1]			72
	DomesticIndicator <DmstInd>	[0..1]	Indicator		72
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		72
	SettlementService <SttlmSvc>	[0..1]	±		72
	Reconciliation <Rcncltn>	[0..1]	±		73
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		73
	ProcessingResult <PrcgRslt>	[0..1]	±		73
	ProtectedData <PrtctdData>	[0..*]			74
	Control <Ctrl>	[0..1]	Text		75

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		75
	DerivedInformation <DrvdInf>	[0..1]	Text		75
	Algorithm <Algo>	[0..1]	Text		76
	KeyLength <KeyLngth>	[0..1]	Text		76
	KeyProtection <KeyPrtc>	[0..1]	Text		76
	KeyIndex <KeyIndx>	[0..1]	Text		76
	PaddingMethod <PddgMtd>	[0..1]	Text		76
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		76
	EncryptedElement <NcrptdElmt>	[1..*]			77
	Identification <Id>	[0..1]	Text		77
	Data <Data>	[1..1]			77
{Or	Binary <Binry>	[1..1]	Binary		77
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		77
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		78
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		78
	PrivateData <PrvtData>	[0..*]	(External Schema)		78
	NationalData <NtlData>	[0..*]	(External Schema)		78
	SecurityTrailer <SctyTrlr>	[0..1]	±		78

4.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

4.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

4.4.2 BatchIdentification <BtchId>

Presence: [0..1]

Definition: Identification of a batch.

All the messages included within the batch will have the same batch identification value.

Datatype: "Max70Text" on page 2167

4.4.3 OriginalBatchIdentification <OrgnlBtchId>

Presence: [0..1]

Definition: Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

Datatype: "Max70Text" on page 2167

4.4.4 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages.

For a start of a collection, this is the number of expected messages in the collection if known. This is also the last expected message sequence number in the collection.

For a start of a batch, this is the number of expected messages in the batch if known. This is also the last expected message sequence number in the batch.

For a start of a batch acknowledgement, this is the maximum number of messages that can be received in the batch.

For an intermediate acknowledgement, this is the last message sequence number received in sequence.

For an intermediate checkpoint, this is the message sequence number of the last received message.

For an end of batch this is the last message sequence number sent in the closing batch, equal to the number of messages sent in the batch.

For an end of batch acknowledgement, this is the last sequence number received in the sequence.

Datatype: "Number" on page 2154

4.4.5 BatchChecksum <BtchChcksm>

Presence: [0..1]

Definition: Checksum of the series of messages received in the batch or until a checkpoint.

Datatype: "Max35Binary" on page 2098

4.4.6 RequestAcknowledgement <ReqAck>

Presence: [0..1]

Definition: Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

4.4.7 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

4.4.8 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

4.4.9 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

4.4.10 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

4.4.11 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

4.4.12 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "[Exact12Text](#)" on page 2155

4.4.13 LifecycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "[Exact15Text](#)" on page 2155

4.4.14 ClearingBatchData <ClrBtchData>

Presence: [0..*]

Definition: Clearing data at batch level allowing clearing in different currencies.

ClearingBatchData <ClrBtchData> contains the following elements (see "[ClearingBatchData4](#)" on page 1413 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1413
	Priority <Prty>	[0..1]	Text		1414
	Date <Dt>	[0..1]	Date		1414
	TotalsCount <TtlsCnt>	[0..1]	Quantity		1414
	TotalsAmount <TtlsAmt>	[0..1]	Amount		1414
	TotalsCurrency <TtlsCcy>	[0..1]	CodeSet	C1	1414
	TotalsCreditDebit <TtlsCdtDbt>	[0..1]	CodeSet		1415
	InterchangeFeeAmount <IntrchgFeeAmt>	[0..1]	Amount		1415
	InterchangeFeeCurrency <IntrchgFeeCcy>	[0..1]	CodeSet	C1	1415
	InterchangeFeeCreditDebit <IntrchgFeeCdtDbt>	[0..1]	CodeSet		1415
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1415
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1416
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1416

4.4.15 ClearingControlTotals <ClrCtrlTtls>

Presence: [0..1]

Definition: Gross amount clearing totals.

ClearingControlTotals <ClrCtrlTtls> contains the following **ClearingControlTotals3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[1..1]	Quantity		69
	Amount <Amt>	[1..1]	Amount		69
	Currency <Ccy>	[0..1]	CodeSet	C1	70
	CreditDebit <CdtDbt>	[0..1]	CodeSet		70

4.4.15.1 Count <Cnt>

Presence: [1..1]

Definition: Number of clearing transactions. To be used for control purpose.

Datatype: "Number" on page 2154

4.4.15.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

4.4.15.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

4.4.15.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

4.4.16 Record <Rcrd>

Presence: [0..*]

Definition: Record in batch.

Record <Rcrd> contains the following elements (see "Record4" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[1..1]	Quantity		1424
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		1424
	OriginatorIdentification <OrgtrId>	[0..1]	Text		1424
	OriginatorAssigner <OrgtrAssgnr>	[0..1]	Text		1424
	OriginatorCountry <OrgtrCtry>	[0..1]	CodeSet		1424
	OriginatorShortName <OrgtrShrtNm>	[0..1]	Text		1424
	DestinationIdentification <DstnId>	[0..1]	Text		1424
	DestinationAssigner <DstnAssgnr>	[0..1]	Text		1425
	DestinationCountry <DstnCtry>	[0..1]	CodeSet		1425
	DestinationShortName <DstnShrtNm>	[0..1]	Text		1425
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		1425
	ClearingPriority <ClrPrty>	[0..1]	Text		1425
	ClearingDate <ClrDt>	[0..1]	Date		1425
	ClearingAmount <ClrAmt>	[0..1]	Amount		1425
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1426
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1426
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1426
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1426
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1426
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1427
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1427
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1427
	OtherAmount <OthrAmt>	[0..1]			1427
	ClearingCount <ClrCnt>	[1..1]	Quantity		1428
	ClearingAmount <ClrAmt>	[1..1]	Amount		1428
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1428
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1428
	InterchangeFeeAmount <IntrchnngFeeAmt>	[1..1]	Amount		1429
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1429
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1429
	AgentFeeAmount <AgtFeeAmt>	[1..1]	Amount		1429

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1429
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1430
	RecordMessage <RcrdMsg>	[1..1]	±		1430

4.4.17 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		72
	DomesticQualification <DmstQlfctn>	[0..1]	Text		72

4.4.17.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

4.4.17.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "[Max35Text](#)" on page 2163

4.4.18 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

4.4.19 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see ["Reconciliation5"](#) on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

4.4.20 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: ["ISO8583ResponseCode"](#) on page 2127

4.4.21 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult32" on page 2074 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

4.4.22 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		75
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		75
	DerivedInformation <DrvdInf>	[0..1]	Text		75
	Algorithm <Algo>	[0..1]	Text		76
	KeyLength <KeyLngth>	[0..1]	Text		76
	KeyProtection <KeyPrtcn>	[0..1]	Text		76
	KeyIndex <KeyIndx>	[0..1]	Text		76
	PaddingMethod <PddgMtd>	[0..1]	Text		76
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		76
	EncryptedElement <NcrptdElmt>	[1..*]			77
	Identification <Id>	[0..1]	Text		77
	Data <Data>	[1..1]			77
{Or	Binary <Binry>	[1..1]	Binary		77
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		77
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		78
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		78

4.4.22.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

4.4.22.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

4.4.22.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

4.4.22.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

4.4.22.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

4.4.22.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

4.4.22.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

4.4.22.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

4.4.22.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

4.4.22.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		77
	Data <Data>	[1..1]			77
{Or	Binary <Binry>	[1..1]	Binary		77
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		77
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		78
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		78

4.4.22.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

4.4.22.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		77
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		77

4.4.22.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

4.4.22.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

4.4.22.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

4.4.22.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

4.4.23 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

4.4.24 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

4.4.25 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

5 **caad.004.001.04** **BatchTransferResponseV04**

5.1 **MessageDefinition Functionality**

The BatchTransferResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchTransferInitiation message.

Outline

The BatchTransferResponseV04 MessageDefinition is composed of 25 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. BatchIdentification

Identification of a batch.

All the messages included within the batch will have the same batch identification value.

C. OriginalBatchIdentification

Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

D. NumberOfMessages

Number of messages.

For a start of a collection, this is the number of expected messages in the collection if known. This is also the last expected message sequence number in the collection.

For a start of a batch, this is the number of expected messages in the batch if known. This is also the last expected message sequence number in the batch.

For a start of a batch acknowledgement, this is the maximum number of messages that can be received in the batch.

For an intermediate acknowledgement, this is the last message sequence number received in sequence.

For an intermediate checkpoint, this is the message sequence number of the last received message.

For an end of batch this is the last message sequence number sent in the closing batch, equal to the number of messages sent in the batch.

For an end of batch acknowledgement, this is the last sequence number received in the sequence.

E. BatchChecksum

Checksum of the series of messages received in the batch or until a checkpoint.

F. RequestAcknowledgement

Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

G. Originator

Information related to the originator.

H. Destination

Information related to the destination.

I. Programme

Programme, network, or brand processes the transaction.

J. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

K. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

L. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

M. LifeCycleIdentification

Transaction lifecycle identification

N. ClearingBatchData

Clearing data at batch level allowing clearing in different currencies.

O. ClearingControlTotals

Gross amount clearing totals.

P. Record

Record in batch.

Q. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

R. SettlementService

Type of settlement service for specific services requiring settlement.

S. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

T. OriginalResponseCode

Original Response code defined in ISO 8583.

U. ProcessingResult

Outcome of processing.

V. ProtectedData

Contains protected data and the attributes used to protect the data.

W. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

X. NationalData

Reserved to define data unique to the country applications.

Y. SecurityTrailer

Trailer of the message containing a MAC

5.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <BtchTrfRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		84
	BatchIdentification <BtchId>	[0..1]	Text		85
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		85
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		85
	BatchChecksum <BtchChcksm>	[0..1]	Binary		86
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		86
	Originator <Orgtr>	[0..1]	±		86
	Destination <Dstn>	[0..1]	±		87
	Programme <Prgrmm>	[0..*]	±		87
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		88
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		88
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		88
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		88
	ClearingBatchData <ClrBtchData>	[0..*]	±		88
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			89
	Count <Cnt>	[1..1]	Quantity		89
	Amount <Amt>	[1..1]	Amount		89
	Currency <Ccy>	[0..1]	CodeSet	C1	90
	CreditDebit <CdtDbt>	[0..1]	CodeSet		90
	Record <Rcrd>	[0..*]	±		90
	Jurisdiction <Jursdctn>	[0..1]			92
	DomesticIndicator <DmstInd>	[0..1]	Indicator		92
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		92
	SettlementService <SttlmSvc>	[0..1]	±		92
	Reconciliation <Rcncltn>	[0..1]	±		93
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		93
	ProcessingResult <PrcgRslt>	[1..1]	±		93
	ProtectedData <PrtctdData>	[0..*]			94
	Control <Ctrl>	[0..1]	Text		95

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		95
	DerivedInformation <DrvdInf>	[0..1]	Text		95
	Algorithm <Algo>	[0..1]	Text		96
	KeyLength <KeyLngth>	[0..1]	Text		96
	KeyProtection <KeyPrtc>	[0..1]	Text		96
	KeyIndex <KeyIndx>	[0..1]	Text		96
	PaddingMethod <PddgMtd>	[0..1]	Text		96
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		96
	EncryptedElement <NcrptdElmt>	[1..*]			97
	Identification <Id>	[0..1]	Text		97
	Data <Data>	[1..1]			97
{Or	Binary <Binry>	[1..1]	Binary		97
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		97
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		98
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		98
	PrivateData <PrvtData>	[0..*]	(External Schema)		98
	NationalData <NtlData>	[0..*]	(External Schema)		98
	SecurityTrailer <SctyTrlr>	[0..1]	±		98

5.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

5.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

5.4.2 BatchIdentification <BtchId>

Presence: [0..1]

Definition: Identification of a batch.

All the messages included within the batch will have the same batch identification value.

Datatype: "Max70Text" on page 2167

5.4.3 OriginalBatchIdentification <OrgnlBtchId>

Presence: [0..1]

Definition: Identification of the original batch to answer.

Mandatory when the batch response has not the same identification as the batch initiation.

Datatype: "Max70Text" on page 2167

5.4.4 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages.

For a start of a collection, this is the number of expected messages in the collection if known. This is also the last expected message sequence number in the collection.

For a start of a batch, this is the number of expected messages in the batch if known. This is also the last expected message sequence number in the batch.

For a start of a batch acknowledgement, this is the maximum number of messages that can be received in the batch.

For an intermediate acknowledgement, this is the last message sequence number received in sequence.

For an intermediate checkpoint, this is the message sequence number of the last received message.

For an end of batch this is the last message sequence number sent in the closing batch, equal to the number of messages sent in the batch.

For an end of batch acknowledgement, this is the last sequence number received in the sequence.

Datatype: "Number" on page 2154

5.4.5 BatchChecksum <BtchChcksm>

Presence: [0..1]

Definition: Checksum of the series of messages received in the batch or until a checkpoint.

Datatype: "Max35Binary" on page 2098

5.4.6 RequestAcknowledgement <ReqAck>

Presence: [0..1]

Definition: Indicator to request acknowledgement.

True: Acknowledgement requested

False: Acknowledgement not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

5.4.7 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

5.4.8 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

5.4.9 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

5.4.10 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

5.4.11 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

5.4.12 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "[Exact12Text](#)" on page 2155

5.4.13 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "[Exact15Text](#)" on page 2155

5.4.14 ClearingBatchData <ClrBtchData>

Presence: [0..*]

Definition: Clearing data at batch level allowing clearing in different currencies.

ClearingBatchData <ClrBtchData> contains the following elements (see "[ClearingBatchData4](#)" on page 1413 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1413
	Priority <Prty>	[0..1]	Text		1414
	Date <Dt>	[0..1]	Date		1414
	TotalsCount <TtlsCnt>	[0..1]	Quantity		1414
	TotalsAmount <TtlsAmt>	[0..1]	Amount		1414
	TotalsCurrency <TtlsCcy>	[0..1]	CodeSet	C1	1414
	TotalsCreditDebit <TtlsCdtDbt>	[0..1]	CodeSet		1415
	InterchangeFeeAmount <IntrchgngFeeAmt>	[0..1]	Amount		1415
	InterchangeFeeCurrency <IntrchgngFeeCcy>	[0..1]	CodeSet	C1	1415
	InterchangeFeeCreditDebit <IntrchgngFeeCdtDbt>	[0..1]	CodeSet		1415
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1415
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1416
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1416

5.4.15 ClearingControlTotals <ClrCtrlTtls>

Presence: [0..1]

Definition: Gross amount clearing totals.

ClearingControlTotals <ClrCtrlTtls> contains the following **ClearingControlTotals3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[1..1]	Quantity		89
	Amount <Amt>	[1..1]	Amount		89
	Currency <Ccy>	[0..1]	CodeSet	C1	90
	CreditDebit <CdtDbt>	[0..1]	CodeSet		90

5.4.15.1 Count <Cnt>

Presence: [1..1]

Definition: Number of clearing transactions. To be used for control purpose.

Datatype: "Number" on page 2154

5.4.15.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

5.4.15.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

5.4.15.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

5.4.16 Record <Rcrd>

Presence: [0..*]

Definition: Record in batch.

Record <Rcrd> contains the following elements (see "Record4" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[1..1]	Quantity		1424
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		1424
	OriginatorIdentification <OrgtrId>	[0..1]	Text		1424
	OriginatorAssigner <OrgtrAssgnr>	[0..1]	Text		1424
	OriginatorCountry <OrgtrCtry>	[0..1]	CodeSet		1424
	OriginatorShortName <OrgtrShrtNm>	[0..1]	Text		1424
	DestinationIdentification <DstnId>	[0..1]	Text		1424
	DestinationAssigner <DstnAssgnr>	[0..1]	Text		1425
	DestinationCountry <DstnCtry>	[0..1]	CodeSet		1425
	DestinationShortName <DstnShrtNm>	[0..1]	Text		1425
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		1425
	ClearingPriority <ClrPrty>	[0..1]	Text		1425
	ClearingDate <ClrDt>	[0..1]	Date		1425
	ClearingAmount <ClrAmt>	[0..1]	Amount		1425
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1426
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1426
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1426
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1426
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1426
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1427
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1427
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1427
	OtherAmount <OthrAmt>	[0..1]			1427
	ClearingCount <ClrCnt>	[1..1]	Quantity		1428
	ClearingAmount <ClrAmt>	[1..1]	Amount		1428
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1428
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1428
	InterchangeFeeAmount <IntrchnngFeeAmt>	[1..1]	Amount		1429
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1429
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1429
	AgentFeeAmount <AgtFeeAmt>	[1..1]	Amount		1429

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1429
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1430
	RecordMessage <RcrdMsg>	[1..1]	±		1430

5.4.17 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		92
	DomesticQualification <DmstQlfctn>	[0..1]	Text		92

5.4.17.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

5.4.17.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

5.4.18 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

5.4.19 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "[Reconciliation5](#)" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

5.4.20 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code defined in ISO 8583.

Datatype: "[ISO8583ResponseCode](#)" on page 2127

5.4.21 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

5.4.22 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		95
	KeySetIdentifier <KeySetldr>	[0..1]	Text		95
	DerivedInformation <DrvdInf>	[0..1]	Text		95
	Algorithm <Algo>	[0..1]	Text		96
	KeyLength <KeyLngth>	[0..1]	Text		96
	KeyProtection <KeyPrtc>	[0..1]	Text		96
	KeyIndex <KeyIndx>	[0..1]	Text		96
	PaddingMethod <PddgMtd>	[0..1]	Text		96
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		96
	EncryptedElement <NcrptdElmt>	[1..*]			97
	Identification <Id>	[0..1]	Text		97
	Data <Data>	[1..1]			97
{Or	Binary <Binry>	[1..1]	Binary		97
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		97
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		98
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		98

5.4.22.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

5.4.22.2 KeySetIdentifier <KeySetldr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

5.4.22.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

5.4.22.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

5.4.22.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

5.4.22.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

5.4.22.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

5.4.22.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

5.4.22.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

5.4.22.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		97
	Data <Data>	[1..1]			97
{Or	Binary <Binry>	[1..1]	Binary		97
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		97
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		98
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		98

5.4.22.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

5.4.22.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		97
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		97

5.4.22.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

5.4.22.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

5.4.22.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

5.4.22.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

5.4.23 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

5.4.24 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

5.4.25 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

6 caad.005.001.05 ReconciliationInitiationV05

6.1 MessageDefinition Functionality

The ReconciliationInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer).

Reconciliation is the exchange between two interchanging parties (Acquirer, Issuer or Agent) of totals and/or counts of messages within a specific session.

Outline

The ReconciliationInitiationV05 MessageDefinition is composed of 24 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. ReconciliationFunction
Type of reconciliation.
- C. ReconciliationActivityType
A code to indicate the activity type to be reconciled. P000-P999 reserved for private use, N000-N999 reserved for national use.
- D. ReconciliationType
Type of reconciliation. P000-P999 reserved for private use, N000-N999 reserved for national use.
- E. RequestedCurrency
Requested currency by the acceptor.

ISO 4217
- F. Originator
Information related to the originator.
- G. Sender
Information related to the sender.
- H. Receiver
Information related to the receiver.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

L. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

M. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

N. LifeCycleIdentification

Transaction lifecycle identification

O. ReconciliationTotals

Totals of the reconciliation.

P. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

Q. SettlementService

Type of settlement service for specific services requiring settlement.

R. AdditionalFee

Fees not included in the transaction amount.

S. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

T. ProcessingResult

Outcome of the processing of the authorisation

U. ProtectedData

Contains protected data and the attributes used to protect the data.

V. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

W. NationalData

Reserved to define data unique to the country applications.

X. SecurityTrailer

Trailer of the message containing a MAC

6.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RcncltnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		103
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		104
	ReconciliationActivityType <RcncltnActvtyTp>	[0..1]	CodeSet		104
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		105
	RequestedCurrency <ReqdCcy>	[0..*]	Text		105
	Originator <Orgtr>	[0..1]	±		105
	Sender <Sndr>	[0..1]	±		105
	Receiver <Rcvr>	[0..1]	±		106
	Destination <Dstin>	[0..1]	±		106
	Programme <Prgrmm>	[0..*]	±		107
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		107
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		107
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		108
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		108
	ReconciliationTotals <RcncltnTtls>	[0..*]	±		108
	Jurisdiction <Jursdctn>	[0..1]			108
	DomesticIndicator <DmstInd>	[0..1]	Indicator		109
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		109
	SettlementService <SttlmSvc>	[0..1]	±		109
	AdditionalFee <AddtlFee>	[0..*]	±		109
	Reconciliation <Rcncltn>	[0..1]	±		110
	ProcessingResult <PrcgRslt>	[0..1]	±		110
	ProtectedData <PrctcdData>	[0..*]			111
	Control <Ctrl>	[0..1]	Text		112
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		112
	DerivedInformation <DrvdInf>	[0..1]	Text		112
	Algorithm <Algo>	[0..1]	Text		113
	KeyLength <KeyLngth>	[0..1]	Text		113
	KeyProtection <KeyPrtcn>	[0..1]	Text		113

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIndex <KeyIndx>	[0..1]	Text		113
	PaddingMethod <PddgMtd>	[0..1]	Text		113
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		113
	EncryptedElement <NcrptdElmt>	[1..*]			114
	Identification <Id>	[0..1]	Text		114
	Data <Data>	[1..1]			114
{Or	Binary <Binry>	[1..1]	Binary		114
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		114
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		115
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		115
	PrivateData <PrvtData>	[0..*]	(External Schema)		115
	NationalData <NtlData>	[0..*]	(External Schema)		115
	SecurityTrailer <SctyTrlr>	[0..1]	±		115

6.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

6.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

6.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

6.4.2 ReconciliationFunction <RcncltnFctn>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 2139

CodeName	Name	Definition
INQR	Inquire	Inquiry for reconciliation totals
INCU	InitiateCutover	Initiation of a cutover.
CNVY	Convey	Convey reconciliation totals

6.4.3 ReconciliationActivityType <RcncltnActvtyTp>

Presence: [0..1]

Definition: A code to indicate the activity type to be reconciled. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ReconciliationActivityType2Code" on page 2139

CodeName	Name	Definition
ACQG	Acquiring	Acquiring activity.
CNSD	Consolidated	All types of activity.
ISSG	Issuing	Issuing activity

6.4.4 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of reconciliation. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["CardServiceType6Code"](#) on page 2112

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.

6.4.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

ISO 4217

Datatype: ["Exact3NumericText"](#) on page 2156

6.4.6 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see ["OriginatorData2"](#) on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

6.4.7 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see ["SenderData1"](#) on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

6.4.8 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

6.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

6.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

6.4.11 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

6.4.12 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

6.4.13 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

6.4.14 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

6.4.15 ReconciliationTotals <RcncltnTtls>

Presence: [0..*]

Definition: Totals of the reconciliation.

ReconciliationTotals <RcncltnTtls> contains the following elements (see "TransactionTotals15" on page 2009 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2009
	Date <Dt>	[0..1]	Date		2009
	CheckpointReference <ChckptRef>	[0..1]	Text		2009
	Financial <Fin>	[0..*]	±		2010
	Message <Msg>	[0..*]	±		2010
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		2010
	Currency <Ccy>	[1..1]	CodeSet	C1	2010
	Amount <Amt>	[1..1]	Amount		2011
	CreditDebit <CdtDbt>	[0..1]	CodeSet		2011

6.4.16 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		109
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		109

6.4.16.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

6.4.16.2 DomesticQualification <DmstQlfcnt>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

6.4.17 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7" on page 2069](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

6.4.18 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

6.4.19 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

6.4.20 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult32" on page 2074 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

6.4.21 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		112
	KeySetIdentifier <KeySetldr>	[0..1]	Text		112
	DerivedInformation <DrvdInf>	[0..1]	Text		112
	Algorithm <Algo>	[0..1]	Text		113
	KeyLength <KeyLngth>	[0..1]	Text		113
	KeyProtection <KeyPrtcn>	[0..1]	Text		113
	KeyIndex <KeyIndx>	[0..1]	Text		113
	PaddingMethod <PddgMtd>	[0..1]	Text		113
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		113
	EncryptedElement <NcrptdElmt>	[1..*]			114
	Identification <Id>	[0..1]	Text		114
	Data <Data>	[1..1]			114
{Or	Binary <Binry>	[1..1]	Binary		114
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		114
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		115
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		115

6.4.21.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

6.4.21.2 KeySetIdentifier <KeySetldr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

6.4.21.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

6.4.21.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

6.4.21.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

6.4.21.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

6.4.21.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

6.4.21.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

6.4.21.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

6.4.21.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		114
	Data <Data>	[1..1]			114
{Or	Binary <Binry>	[1..1]	Binary		114
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		114
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		115
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		115

6.4.21.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

6.4.21.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		114
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		114

6.4.21.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

6.4.21.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

6.4.21.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

6.4.21.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

6.4.22 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

6.4.23 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

6.4.24 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

7 caad.006.001.05 ReconciliationResponseV05

7.1 MessageDefinition Functionality

The ReconciliationResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a ReconciliationInitiation message.

Outline

The ReconciliationResponseV05 MessageDefinition is composed of 25 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. ReconciliationFunction

Type of reconciliation.

C. ReconciliationActivityType

A code to indicate the activity type to be reconciled. P000-P999 reserved for private use, N000-N999 reserved for national use.

D. ReconciliationType

Type of reconciliation. P000-P999 reserved for private use, N000-N999 reserved for national use.

E. RequestedCurrency

Requested currency by the acceptor.

ISO 4217

F. Originator

Information related to the originator.

G. Sender

Information related to the sender.

H. Receiver

Information related to the receiver.

I. Destination

Information related to the destination.

J. Programme

Programme, network, or brand processes the transaction.

K. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

L. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

M. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

N. LifeCycleIdentification

Transaction lifecycle identification

O. ReconciliationTotals

Totals of the reconciliation.

P. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

Q. SettlementService

Type of settlement service for specific services requiring settlement.

R. AdditionalFee

Fees not included in the transaction amount.

S. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

T. ProcessingResult

Outcome of the processing.

U. OriginalResponseCode

Original Response code.

V. ProtectedData

Contains protected data and the attributes used to protect the data.

W. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

X. NationalData

Reserved to define data unique to the country applications.

Y. SecurityTrailer

Trailer of the message containing a MAC

7.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RcncltnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		120
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		121
	ReconciliationActivityType <RcncltnActvtyTp>	[0..1]	CodeSet		121
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		122
	RequestedCurrency <ReqdCcy>	[0..*]	Text		122
	Originator <Orgtr>	[0..1]	±		122
	Sender <Sndr>	[0..1]	±		122
	Receiver <Rcvr>	[0..1]	±		123
	Destination <Dstin>	[0..1]	±		123
	Programme <Prgrmm>	[0..*]	±		124
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		124
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		124
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		125
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		125
	ReconciliationTotals <RcncltnTtls>	[0..*]	±		125
	Jurisdiction <Jursdctn>	[0..1]			125
	DomesticIndicator <DmstInd>	[0..1]	Indicator		126
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		126
	SettlementService <SttlmSvc>	[0..1]	±		126
	AdditionalFee <AddtlFee>	[0..*]	±		126
	Reconciliation <Rcncltn>	[0..1]	±		127
	ProcessingResult <PrcgRslt>	[1..1]	±		127
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		128
	ProtectedData <PrctcdData>	[0..*]			128
	Control <Ctrl>	[0..1]	Text		129
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		129
	DerivedInformation <DrvdInf>	[0..1]	Text		129
	Algorithm <Algo>	[0..1]	Text		130
	KeyLength <KeyLngth>	[0..1]	Text		130

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyProtection <KeyPrtcn>	[0..1]	Text		130
	KeyIndex <KeyIndx>	[0..1]	Text		130
	PaddingMethod <PddgMtd>	[0..1]	Text		130
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		130
	EncryptedElement <NcrptdElmt>	[1..*]			131
	Identification <Id>	[0..1]	Text		131
	Data <Data>	[1..1]			131
{Or	Binary <Binry>	[1..1]	Binary		131
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		131
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		132
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		132
	PrivateData <PrvtData>	[0..*]	(External Schema)		132
	NationalData <NtlData>	[0..*]	(External Schema)		132
	SecurityTrailer <SctyTrlr>	[0..1]	±		132

7.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

7.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

7.4.2 ReconciliationFunction <RcncltnFctn>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 2139

CodeName	Name	Definition
INQR	Inquire	Inquiry for reconciliation totals
INCU	InitiateCutover	Initiation of a cutover.
CNVY	Convey	Convey reconciliation totals

7.4.3 ReconciliationActivityType <RcncltnActvtyTp>

Presence: [0..1]

Definition: A code to indicate the activity type to be reconciled. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ReconciliationActivityType2Code" on page 2139

CodeName	Name	Definition
ACQG	Acquiring	Acquiring activity.
CNSD	Consolidated	All types of activity.
ISSG	Issuing	Issuing activity

7.4.4 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of reconciliation. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardServiceType6Code" on page 2112

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.

7.4.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

ISO 4217

Datatype: "Exact3NumericText" on page 2156

7.4.6 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

7.4.7 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

7.4.8 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

7.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

7.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

7.4.11 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

7.4.12 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

7.4.13 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

7.4.14 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

7.4.15 ReconciliationTotals <RcncltnTtls>

Presence: [0..*]

Definition: Totals of the reconciliation.

ReconciliationTotals <RcncltnTtls> contains the following elements (see "TransactionTotals15" on page 2009 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2009
	Date <Dt>	[0..1]	Date		2009
	CheckpointReference <ChckptRef>	[0..1]	Text		2009
	Financial <Fin>	[0..*]	±		2010
	Message <Msg>	[0..*]	±		2010
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		2010
	Currency <Ccy>	[1..1]	CodeSet	C1	2010
	Amount <Amt>	[1..1]	Amount		2011
	CreditDebit <CdtDbt>	[0..1]	CodeSet		2011

7.4.16 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		126
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		126

7.4.16.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

7.4.16.2 DomesticQualification <DmstQlfcnt>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

7.4.17 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

7.4.18 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

7.4.19 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

7.4.20 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

7.4.21 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

7.4.22 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		129
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		129
	DerivedInformation <DrvdInf>	[0..1]	Text		129
	Algorithm <Algo>	[0..1]	Text		130
	KeyLength <KeyLngth>	[0..1]	Text		130
	KeyProtection <KeyPrtcn>	[0..1]	Text		130
	KeyIndex <KeyIndx>	[0..1]	Text		130
	PaddingMethod <PddgMtd>	[0..1]	Text		130
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		130
	EncryptedElement <NcrptdElmt>	[1..*]			131
	Identification <Id>	[0..1]	Text		131
	Data <Data>	[1..1]			131
{Or	Binary <Binry>	[1..1]	Binary		131
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		131
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		132
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		132

7.4.22.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

7.4.22.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

7.4.22.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

7.4.22.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

7.4.22.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

7.4.22.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

7.4.22.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

7.4.22.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

7.4.22.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

7.4.22.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		131
	Data <Data>	[1..1]			131
{Or	Binary <Binry>	[1..1]	Binary		131
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		131
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		132
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		132

7.4.22.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

7.4.22.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		131
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		131

7.4.22.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

7.4.22.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

7.4.22.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

7.4.22.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

7.4.23 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

7.4.24 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

7.4.25 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

8 caad.007.001.05 ErrorV05

8.1 MessageDefinition Functionality

The Error message is sent by any party to any party (acquirer, agent or issuer) to indicate a message error.

Outline

The ErrorV05 MessageDefinition is composed of 20 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Originator
Identifies the originator of the transaction.
- C. Sender
Party sending the message to another intermediary agent or to the final destination.
- D. Receiver
Party receiving the message from the origin or from an intermediary agent.
- E. Destination
Identifies the destination of the transaction.
- F. Programme
Programme, network, or brand processes the transaction.
- G. SystemTraceAuditNumber
Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)
- H. TransmissionDateTime
Date and time expressed in UTC of the message as sent by the initiator.
- I. RetrievalReferenceNumber
A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.
- J. LifeCycleIdentification
Transaction lifecycle identification
- K. OriginalMessage
Original request that caused the party to reject it.
- L. ErrorDetail
Error detail information.

M. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. ProtectedData

Contains protected data and the attributes used to protect the data.

R. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

S. NationalData

Reserved to define data unique to the country applications.

T. SecurityTrailer

Trailer of the message containing a MAC

8.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <Err>	[1..1]			
	Header <Hdr>	[1..1]	±		137
	Originator <Orgtr>	[0..1]	±		138
	Sender <Sndr>	[0..1]	±		138
	Receiver <Rcvr>	[0..1]	±		139
	Destination <Dstn>	[0..1]	±		139
	Programme <Prgrmm>	[0..1]	±		140
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		140
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		140
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		141
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		141
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		141
	ErrorDetail <ErrDtl>	[0..*]	±		141
	Jurisdiction <Jursdctn>	[0..1]			141
	DomesticIndicator <DmstInd>	[0..1]	Indicator		141
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		142
	SettlementService <SttlmSvc>	[0..1]	±		142
	AdditionalFee <AddtlFee>	[0..*]	±		142
	Reconciliation <Rcncltn>	[0..1]	±		143
	ProtectedData <PrctcdData>	[0..*]			143
	Control <Ctrl>	[0..1]	Text		144
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		144
	DerivedInformation <DrvdInf>	[0..1]	Text		144
	Algorithm <Algo>	[0..1]	Text		145
	KeyLength <KeyLngth>	[0..1]	Text		145
	KeyProtection <KeyPrctn>	[0..1]	Text		145
	KeyIndex <KeyIndx>	[0..1]	Text		145
	PaddingMethod <PddgMtd>	[0..1]	Text		145
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		145
	EncryptedElement <NcrptdElmt>	[1..*]			146

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		146
	Data <Data>	[1..1]			146
{Or	Binary <Binry>	[1..1]	Binary		146
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		146
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		147
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		147
	PrivateData <PrvtData>	[0..*]	(External Schema)		147
	NationalData <NtlData>	[0..*]	(External Schema)		147
	SecurityTrailer <SctyTrlr>	[0..1]	±		147

8.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

8.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

8.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

8.4.2 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

8.4.3 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

8.4.4 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

8.4.5 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

8.4.6 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

8.4.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

8.4.8 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

8.4.9 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

8.4.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

8.4.11 OriginalMessage <OrgnlMsg>

Presence: [0..1]

Definition: Original request that caused the party to reject it.

Datatype: "Max100KBinary" on page 2097

8.4.12 ErrorDetail <ErrDtl>

Presence: [0..*]

Definition: Error detail information.

ErrorDetail <ErrDtl> contains the following elements (see "ErrorDetails4" on page 1598 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ErrorCode <ErrCd>	[1..1]	CodeSet		1599
	SeverityCode <svrtyCd>	[0..1]	Text		1599
	Description <Desc>	[0..1]	Text		1599
	DataElementInError <DataElmtInErr>	[0..*]	Text		1599

8.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		141
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		142

8.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

8.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

8.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

8.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

8.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

8.4.17 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		144
	KeySetIdentifier <KeySetldr>	[0..1]	Text		144
	DerivedInformation <DrvdInf>	[0..1]	Text		144
	Algorithm <Algo>	[0..1]	Text		145
	KeyLength <KeyLngth>	[0..1]	Text		145
	KeyProtection <KeyPrtc>	[0..1]	Text		145
	KeyIndex <KeyIndx>	[0..1]	Text		145
	PaddingMethod <PddgMtd>	[0..1]	Text		145
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		145
	EncryptedElement <NcrptdElmt>	[1..*]			146
	Identification <Id>	[0..1]	Text		146
	Data <Data>	[1..1]			146
{Or	Binary <Binry>	[1..1]	Binary		146
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		146
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		147
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		147

8.4.17.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

8.4.17.2 KeySetIdentifier <KeySetldr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

8.4.17.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

8.4.17.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

8.4.17.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

8.4.17.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

8.4.17.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

8.4.17.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

8.4.17.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

8.4.17.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		146
	Data <Data>	[1..1]			146
{Or	Binary <Binry>	[1..1]	Binary		146
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		146
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		147
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		147

8.4.17.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

8.4.17.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		146
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		146

8.4.17.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

8.4.17.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

8.4.17.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

8.4.17.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

8.4.18 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

8.4.19 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

8.4.20 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

9 caad.008.001.03 AdministrativeInitiationV03

9.1 MessageDefinition Functionality

The AdministrativeInitiation message usually sent by any party (processor, clearing or settlement agent) to any party to inform anything that supports the business and technical infrastructure between parties.

Outline

The AdministrativeInitiationV03 MessageDefinition is composed of 48 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. AdministrativeType

Code that identifies an administrative type.

C. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

D. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

E. TextMessage

Contains generic text message.

F. LocalData

Additional Information in local language.

G. TransactionDescription

Transaction data related to programmes and services, content and format based on bilateral agreements.

ISO 8583:87/93 bit 104

ISO 8583:2003 bit 104-71

H. Originator

Information related to the originator.

I. Acquirer

Information related to the acquirer.

J. Sender

Information related to the sender.

K. Card

Card or payment token performing the transaction.

L. Receiver

Information related to the receiver.

M. Issuer

Information related to the issuer.

N. Destination

Information related to the destination.

O. Programme

Programme, network, or brand processes the transaction.

P. TransactionIdentification

Identification of the transaction.

Q. ConversionDateTime

Date and Time of currency conversion.

R. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

W. Context

Contains or describes conditions and characteristics of the transaction.

X. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

ISO 8583 bit 55

Y. AuthenticationData

Contain information related to authentication.

Z. Payer

The party providing source of funds.

- A Payee
 - A. The party receiving funds.
- AB Token
 - Details of payment token.
- AC CustomerDevice
 - Identification of the customer device performing the transaction.
- A Wallet
 - D. Container for tenders used by the customer to perform the payment transaction.
- AE Cardholder
 - Cardholder performing the card payment transaction.
- AF Customer
 - Information about the customer.
- A Verification
 - G. Contain validation result and/or data to be validated.
- A Risk
 - H. Context of risk associated with the transaction.
- AI. SpecialProgrammeQualification
 - Data to qualify for incentive or other related programmes.
- AJ. Instalment
 - Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- A AdditionalService
 - K. Additional functions or services to be performed in conjunction with the transaction.
- AL Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- A SettlementService
 - M. Type of settlement service for specific services requiring settlement.
- A AdditionalFee
 - N. Fees not included in the transaction amount.
- A Reconciliation
 - O. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AP ProcessingResult
 - Outcome of the processing of the authorisation.
- A OriginalTransaction
 - Q. Contains details of the original transaction.

AR ProtectedData

- Contains protected data and the attributes used to protect the data.

AS PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AT NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- U. Trailer of the message containing a MAC.

A RecurringPayment

- V. Detail information of the recurring payment.

9.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdmstvInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		157
	AdministrativeType <AdmstvTp>	[1..1]	Text		158
	MessageReason <MsgRsn>	[0..*]	CodeSet		158
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		158
	TextMessage <TxtMsg>	[0..1]	Text		158
	LocalData <LclData>	[0..*]			158
	Language <Lang>	[1..1]	CodeSet		158
	EncodingFormat <NcodgFrmt>	[0..1]	Text		159
	TextMessage <TxtMsg>	[1..1]	Text		159
	TransactionDescription <TxDesc>	[0..1]	Text		159
	Originator <Orgtr>	[0..1]	±		159
	Acquirer <Acqrr>	[1..1]	±		159
	Sender <Sndr>	[0..1]	±		160
	Card <Card>	[0..1]	±		160
	Receiver <Rcvr>	[0..1]	±		161
	Issuer <Issr>	[0..1]	±		162
	Destination <Dstn>	[0..1]	±		162
	Programme <Prgrmm>	[0..1]	±		163
	TransactionIdentification <TxId>	[0..1]	±		163
	ConversionDateTime <ConvstDtM>	[0..1]			164
	Date <Dt>	[1..1]	Date		164
	Time <Tm>	[0..1]	Time		164
	ExchangeRate <XchgRate>	[0..*]			164
	Provider <Prvdr>	[0..1]	Text		165
	Identification <Id>	[0..1]	Text		165
	Date <Dt>	[0..1]	Date		165
	Time <Tm>	[0..1]	Time		165
	EndPoint <EndPt>	[0..1]	CodeSet		166
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	166

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	166
	Rate <Rate>	[0..1]	Rate		166
	RateType <RateTp>	[0..1]	CodeSet		166
	AgreementType <AgrmtTp>	[0..1]	CodeSet		167
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		167
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		167
	RateLockApplied <RateLckApld>	[0..1]	Indicator		167
	Acceptor <Accptr>	[0..1]	±		168
	Transactor <Txtr>	[0..1]	±		170
	Terminal <Termnl>	[0..1]	±		170
	POIComponent <POICmpnt>	[0..*]	±		172
	Context <Cntxt>	[1..1]	±		172
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		175
	AuthenticationData <AuthntcnData>	[0..1]			175
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		177
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		177
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		177
	MessageVersion <MsgVrsn>	[0..1]	Text		177
	XID <XID>	[0..1]	Binary		177
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		177
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		178
	MessageCategory <MsgCtgy>	[0..1]	Text		178
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		178
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		178
	DeviceInformation <DvcInf>	[0..1]	Text		178
	PurchaseAmount <PurchsAmt>	[0..1]	Text		178
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	178
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		179
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		179
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		179
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		179

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		179
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		179
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		180
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		180
	DeviceIdentification <DvcId>	[0..*]	Text		180
	DeviceType <DvcTp>	[0..*]	Text		180
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		180
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		180
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		180
	SessionIdentification <SsnId>	[0..1]	Text		180
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		181
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		181
	DataQuality <DataQlty>	[0..1]	Indicator		181
	Programme <Prgrmm>	[0..1]	Text		181
	PrivateData <PrvtData>	[0..*]	(External Schema)		181
	NationalData <NtlData>	[0..*]	(External Schema)		181
	Payer <Pyer>	[0..1]	±		182
	Payee <Pyee>	[0..1]	±		182
	Token <Tkn>	[0..1]	±		183
	CustomerDevice <CstmrDvc>	[0..1]	±		184
	Wallet <Wllt>	[0..1]	±		185
	Cardholder <Crdhldr>	[0..*]	±		186
	Customer <Cstmr>	[0..1]	±		187
	Verification <Vrfctn>	[0..*]	±		188
	Risk <Rsk>	[0..*]	±		188
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		188
	Instalment <Instlmt>	[0..1]	±		189
	AdditionalService <AddtlSvc>	[0..*]	±		189
	Jurisdiction <Jursdctn>	[0..1]			189
	DomesticIndicator <DmstInd>	[0..1]	Indicator		189
	DomesticQualification <DmstQlfctn>	[0..1]	Text		190

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementService <SttlmSvc>	[0..1]	±		190
	AdditionalFee <AddtlFee>	[0..*]	±		190
	Reconciliation <Rcncltn>	[0..1]	±		191
	ProcessingResult <PrcgRslt>	[0..1]	±		191
	OriginalTransaction <OrgnlTx>	[0..*]	±		192
	ProtectedData <PrctcdData>	[0..*]			194
	Control <Ctrl>	[0..1]	Text		195
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		195
	DerivedInformation <DrvdInf>	[0..1]	Text		195
	Algorithm <Algo>	[0..1]	Text		196
	KeyLength <KeyLngth>	[0..1]	Text		196
	KeyProtection <KeyPrtcn>	[0..1]	Text		196
	KeyIndex <KeyIndx>	[0..1]	Text		196
	PaddingMethod <PddgMtd>	[0..1]	Text		196
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		196
	EncryptedElement <NcrptdElmt>	[1..*]			197
	Identification <Id>	[0..1]	Text		197
	Data <Data>	[1..1]			197
{Or	Binary <Binry>	[1..1]	Binary		197
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		197
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		198
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		198
	PrivateData <PrvtData>	[0..*]	(External Schema)		198
	NationalData <NtlData>	[0..*]	(External Schema)		198
	SecurityTrailer <SctyTrlr>	[0..1]	±		198
	RecurringPayment <RcrngPmt>	[0..1]			199
	Type <Tp>	[0..1]	Text		199
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		200
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		200
	Frequency <Frqcy>	[0..1]	Text		200
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		200

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		200
	ValidationIndicator <VldtnInd>	[0..1]	Text		200
	PrivateData <PrvtData>	[0..*]	(External Schema)		200
	NationalData <NtlData>	[0..*]	(External Schema)		201

9.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

9.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

9.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

9.4.2 AdministrativeType <AdmstvTp>

Presence: [1..1]

Definition: Code that identifies an administrative type.

Datatype: "Max10Text" on page 2158

9.4.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

9.4.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

9.4.5 TextMessage <TxtMsg>

Presence: [0..1]

Definition: Contains generic text message.

Datatype: "Max20KText" on page 2161

9.4.6 LocalData <LclData>

Presence: [0..*]

Definition: Additional Information in local language.

LocalData <LclData> contains the following **LocalData17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		158
	EncodingFormat <NcodgFrmt>	[0..1]	Text		159
	TextMessage <TxtMsg>	[1..1]	Text		159

9.4.6.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

9.4.6.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

9.4.6.3 TextMessage <TxtMsg>

Presence: [1..1]

Definition: Contains generic text message in local language.

Datatype: "Max40KText" on page 2164

9.4.7 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

ISO 8583:87/93 bit 104

ISO 8583:2003 bit 104-71

Datatype: "Max1000Text" on page 2157

9.4.8 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

9.4.9 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "AcquirerData1" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

9.4.10 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

9.4.11 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

9.4.12 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

9.4.13 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

9.4.14 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

9.4.15 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode7" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

9.4.16 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentification61"](#) on page 2033 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2034
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2035
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		2035
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2035
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2035
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2035
	AssociatedData <AssoctdData>	[0..1]	Indicator		2035
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2036
	AssociatedDataDestination <AssoctdDataDstn>	[0..1]	Text		2036
	PrivateData <PrvtData>	[0..*]	(External Schema)		2036
	NationalData <NtlData>	[0..*]	(External Schema)		2036

9.4.17 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		164
	Time <Tm>	[0..1]	Time		164

9.4.17.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: ["ISODate"](#) on page 2151

9.4.17.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: ["ISOTime"](#) on page 2169

9.4.18 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		165
	Identification <Id>	[0..1]	Text		165
	Date <Dt>	[0..1]	Date		165
	Time <Tm>	[0..1]	Time		165
	EndPoint <EndPt>	[0..1]	CodeSet		166
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	166
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	166
	Rate <Rate>	[0..1]	Rate		166
	RateType <RateTp>	[0..1]	CodeSet		166
	AgreementType <AgrmtTp>	[0..1]	CodeSet		167
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		167
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		167
	RateLockApplied <RateLckApld>	[0..1]	Indicator		167

9.4.18.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

9.4.18.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

9.4.18.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

9.4.18.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

9.4.18.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

9.4.18.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

9.4.18.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

9.4.18.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

9.4.18.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

9.4.18.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["ExchangeRateAgreementType2Code" on page 2115](#)

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

9.4.18.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

9.4.18.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

9.4.18.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

9.4.19 **Acceptor <Accptr>**

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

9.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

9.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

9.4.22 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

9.4.23 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context26" on page 1804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRcdPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Attndd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgnstcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

9.4.24 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

ISO 8583 bit 55

Datatype: "Max10KHexBinaryText" on page 2158

9.4.25 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		177
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		177
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		177
	MessageVersion <MsgVrsn>	[0..1]	Text		177
	XID <XID>	[0..1]	Binary		177
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		177
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		178
	MessageCategory <MsgCtgy>	[0..1]	Text		178
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		178
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		178
	DeviceInformation <DvcInf>	[0..1]	Text		178
	PurchaseAmount <PurchsAmt>	[0..1]	Text		178
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	178
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		179
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		179
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		179
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		179
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		179
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		179
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		180
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		180
	DeviceIdentification <DvcId>	[0..*]	Text		180
	DeviceType <DvcTp>	[0..*]	Text		180
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		180
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		180
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		180
	SessionIdentification <SsnId>	[0..1]	Text		180
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		181
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		181
	DataQuality <DataQlty>	[0..1]	Indicator		181

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		181
	PrivateData <PrvtData>	[0..*]	(External Schema)		181
	NationalData <NtlData>	[0..*]	(External Schema)		181

9.4.25.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

9.4.25.2 CardholderCertificateSerialNumber <CrdhldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

9.4.25.3 AcceptorCertificateSerialNumber <AccepTrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

9.4.25.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

9.4.25.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

9.4.25.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

9.4.25.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

9.4.25.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

9.4.25.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

9.4.25.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

9.4.25.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

9.4.25.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

9.4.25.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

9.4.25.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

9.4.25.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

9.4.25.16 IntermediaryTransactionIdentifier <IntrmyTxIdr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

9.4.25.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxIdr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

9.4.25.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

9.4.25.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

9.4.25.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

9.4.25.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

9.4.25.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

9.4.25.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

9.4.25.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

9.4.25.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

9.4.25.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

9.4.25.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

9.4.25.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

9.4.25.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

9.4.25.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

9.4.25.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

9.4.25.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.25.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.26 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crndtls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

9.4.27 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

9.4.28 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

9.4.29 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

9.4.30 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

9.4.31 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

9.4.32 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see "Customer4" on page 1965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

9.4.33 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <Rslt>	[0..1]	CodeSet		2094
	ResultDetails <RsltDtls>	[0..1]	(External Schema)		2094

9.4.34 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

9.4.35 SpecialProgrammeQualification <SpclPrgrmmQlfcctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.36 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "[Instalment8](#)" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

9.4.37 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "[AdditionalService3](#)" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <RsIt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

9.4.38 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		189
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		190

9.4.38.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

9.4.38.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

9.4.39 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

9.4.40 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

9.4.41 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

9.4.42 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

9.4.43 OriginalTransaction <OrgnlTx>

Presence: [0..*]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvsvDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstlInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

9.4.44 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		195
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		195
	DerivedInformation <DrvdInf>	[0..1]	Text		195
	Algorithm <Algo>	[0..1]	Text		196
	KeyLength <KeyLngth>	[0..1]	Text		196
	KeyProtection <KeyPrtc>	[0..1]	Text		196
	KeyIndex <KeyIndx>	[0..1]	Text		196
	PaddingMethod <PddgMtd>	[0..1]	Text		196
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		196
	EncryptedElement <NcrptdElmt>	[1..*]			197
	Identification <Id>	[0..1]	Text		197
	Data <Data>	[1..1]			197
{Or	Binary <Binry>	[1..1]	Binary		197
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		197
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		198
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		198

9.4.44.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

9.4.44.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

9.4.44.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

9.4.44.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

9.4.44.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

9.4.44.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

9.4.44.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

9.4.44.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

9.4.44.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

9.4.44.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		197
	Data <Data>	[1..1]			197
{Or	Binary <Binry>	[1..1]	Binary		197
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		197
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		198
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		198

9.4.44.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

9.4.44.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		197
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		197

9.4.44.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

9.4.44.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

9.4.44.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

9.4.44.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

9.4.45 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.46 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.47 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

9.4.48 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		199
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		200
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		200
	Frequency <Frqcy>	[0..1]	Text		200
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		200
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		200
	ValidationIndicator <VldtnInd>	[0..1]	Text		200
	PrivateData <PrvtData>	[0..*]	(External Schema)		200
	NationalData <NtlData>	[0..*]	(External Schema)		201

9.4.48.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

9.4.48.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

9.4.48.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

9.4.48.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

9.4.48.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

9.4.48.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

9.4.48.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

9.4.48.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

9.4.48.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

10 caad.009.001.03 AdministrativeResponseV03

10.1 MessageDefinition Functionality

The AdministrativeResponse message is usually sent by any party (processor, clearing or settlement agent) to any party in response to a AdministrativeInitiation Message.

Outline

The AdministrativeResponseV03 MessageDefinition is composed of 48 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. AdministrativeType

Code that identifies an administrative type.

C. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

D. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

E. TextMessage

Contains generic text message.

F. LocalData

Additional Information in local language.

G. TransactionDescription

Transaction data related to programmes and services, content and format based on bilateral agreements.

ISO 8583:87/93 bit 104

ISO 8583:2003 bit 104-71

H. Originator

Information related to the originator.

I. Acquirer

Information related to the acquirer.

J. Sender

Information related to the sender.

K. Card

Card or payment token performing the transaction.

L. Receiver

Information related to the receiver.

M. Issuer

Information related to the issuer.

N. Destination

Information related to the destination.

O. Programme

Programme, network, or brand processes the transaction.

P. TransactionIdentification

Identification of the transaction.

Q. ConversionDateTime

Date and Time of currency conversion.

R. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

W. Context

Contains or describes conditions and characteristics of the transaction.

X. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

ISO 8583 bit 55

Y. AuthenticationData

Contain information related to authentication.

Z. Payer

The party providing source of funds.

- A Payee
 - A. The party receiving funds.
- AB Token
 - Details of payment token.
- AC CustomerDevice
 - Identification of the customer device performing the transaction.
- A Wallet
 - D. Container for tenders used by the customer to perform the payment transaction.
- AE Cardholder
 - Cardholder performing the card payment transaction.
- AF Customer
 - Information about the customer.
- A Verification
 - G. Contain validation result and/or data to be validated.
- A Risk
 - H. Context of risk associated with the transaction.
- AI. SpecialProgrammeQualification
 - Data to qualify for incentive or other related programmes.
- AJ. Instalment
 - Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- A AdditionalService
 - K. Additional functions or services to be performed in conjunction with the transaction.
- AL Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- A SettlementService
 - M. Type of settlement service for specific services requiring settlement.
- A AdditionalFee
 - N. Fees not included in the transaction amount.
- A Reconciliation
 - O. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AP ProcessingResult
 - Outcome of the processing of the authorisation.
- A OriginalTransaction
 - Q. Contains details of the original transaction.

AR ProtectedData

- Contains protected data and the attributes used to protect the data.

AS PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AT NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- U. Trailer of the message containing a MAC.

A RecurringPayment

- V. Detail information of the recurring payment.

10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdmstvRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		210
	AdministrativeType <AdmstvTp>	[1..1]	Text		211
	MessageReason <MsgRsn>	[0..*]	CodeSet		211
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		211
	TextMessage <TxtMsg>	[0..1]	Text		211
	LocalData <LclData>	[0..*]			211
	Language <Lang>	[1..1]	CodeSet		211
	EncodingFormat <NcodgFrmt>	[0..1]	Text		212
	TextMessage <TxtMsg>	[1..1]	Text		212
	TransactionDescription <TxDesc>	[0..1]	Text		212
	Originator <Orgtr>	[0..1]	±		212
	Acquirer <Acqrr>	[1..1]	±		212
	Sender <Sndr>	[0..1]	±		213
	Card <Card>	[0..1]	±		213
	Receiver <Rcvr>	[0..1]	±		214
	Issuer <Issr>	[0..1]	±		215
	Destination <Dstn>	[0..1]	±		215
	Programme <Prgrmm>	[0..1]	±		216
	TransactionIdentification <TxId>	[0..1]	±		216
	ConversionDateTime <ConvstDtTm>	[0..1]			217
	Date <Dt>	[1..1]	Date		217
	Time <Tm>	[0..1]	Time		217
	ExchangeRate <XchgRate>	[0..*]			217
	Provider <Prvdr>	[0..1]	Text		218
	Identification <Id>	[0..1]	Text		218
	Date <Dt>	[0..1]	Date		218
	Time <Tm>	[0..1]	Time		218
	EndPoint <EndPt>	[0..1]	CodeSet		219
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	219

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	219
	Rate <Rate>	[0..1]	Rate		219
	RateType <RateTp>	[0..1]	CodeSet		219
	AgreementType <AgrmtTp>	[0..1]	CodeSet		220
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		220
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		220
	RateLockApplied <RateLckApld>	[0..1]	Indicator		220
	Acceptor <Accptr>	[0..1]	±		221
	Transactor <Txtr>	[0..1]	±		223
	Terminal <Termnl>	[0..1]	±		223
	POIComponent <POICmpnt>	[0..*]	±		225
	Context <Cntxt>	[1..1]	±		225
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		228
	AuthenticationData <AuthntcnData>	[0..1]			228
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		230
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		230
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		230
	MessageVersion <MsgVrsn>	[0..1]	Text		230
	XID <XID>	[0..1]	Binary		230
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		230
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		231
	MessageCategory <MsgCtgy>	[0..1]	Text		231
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		231
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		231
	DeviceInformation <DvcInf>	[0..1]	Text		231
	PurchaseAmount <PurchsAmt>	[0..1]	Text		231
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	231
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		232
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		232
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		232
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		232

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		232
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		232
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		233
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		233
	DeviceIdentification <DvcId>	[0..*]	Text		233
	DeviceType <DvcTp>	[0..*]	Text		233
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		233
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		233
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		233
	SessionIdentification <SsnId>	[0..1]	Text		233
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		234
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		234
	DataQuality <DataQlty>	[0..1]	Indicator		234
	Programme <Prgrmm>	[0..1]	Text		234
	PrivateData <PrvtData>	[0..*]	(External Schema)		234
	NationalData <NtlData>	[0..*]	(External Schema)		234
	Payer <Pyer>	[0..1]	±		235
	Payee <Pyee>	[0..1]	±		235
	Token <Tkn>	[0..1]	±		236
	CustomerDevice <CstmrDvc>	[0..1]	±		237
	Wallet <Wllt>	[0..1]	±		238
	Cardholder <Crdhldr>	[0..*]	±		239
	Customer <Cstmr>	[0..1]	±		240
	Verification <Vrfctn>	[0..*]	±		241
	Risk <Rsk>	[0..*]	±		241
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		241
	Instalment <Instlmt>	[0..1]	±		242
	AdditionalService <AddtlSvc>	[0..*]	±		242
	Jurisdiction <Jursdctn>	[0..1]			242
	DomesticIndicator <DmstInd>	[0..1]	Indicator		242
	DomesticQualification <DmstQlfctn>	[0..1]	Text		243

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementService <SttlmSvc>	[0..1]	±		243
	AdditionalFee <AddtlFee>	[0..*]	±		243
	Reconciliation <Rcncltn>	[1..1]	±		244
	ProcessingResult <PrcgRslt>	[1..1]	±		244
	OriginalTransaction <OrgnlTx>	[0..*]	±		245
	ProtectedData <PrctcdData>	[0..*]			247
	Control <Ctrl>	[0..1]	Text		248
	KeySetIdentifier <KeySetldr>	[0..1]	Text		248
	DerivedInformation <DrvdInf>	[0..1]	Text		248
	Algorithm <Algo>	[0..1]	Text		249
	KeyLength <KeyLngth>	[0..1]	Text		249
	KeyProtection <KeyPrtcn>	[0..1]	Text		249
	KeyIndex <KeyIndx>	[0..1]	Text		249
	PaddingMethod <PddgMtd>	[0..1]	Text		249
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		249
	EncryptedElement <NcrptdElmt>	[1..*]			250
	Identification <Id>	[0..1]	Text		250
	Data <Data>	[1..1]			250
{Or	Binary <Binry>	[1..1]	Binary		250
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		250
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		251
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		251
	PrivateData <PrvtData>	[0..*]	(External Schema)		251
	NationalData <NtlData>	[0..*]	(External Schema)		251
	SecurityTrailer <SctyTrlr>	[0..1]	±		251
	RecurringPayment <RcrngPmt>	[0..1]			252
	Type <Tp>	[0..1]	Text		252
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		253
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		253
	Frequency <Frqcy>	[0..1]	Text		253
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		253

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		253
	ValidationIndicator <VldtnInd>	[0..1]	Text		253
	PrivateData <PrvtData>	[0..*]	(External Schema)		253
	NationalData <NtlData>	[0..*]	(External Schema)		254

10.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

10.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

10.4.2 AdministrativeType <AdmstvTp>

Presence: [1..1]

Definition: Code that identifies an administrative type.

Datatype: "Max10Text" on page 2158

10.4.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

10.4.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

10.4.5 TextMessage <TxtMsg>

Presence: [0..1]

Definition: Contains generic text message.

Datatype: "Max20KText" on page 2161

10.4.6 LocalData <LclData>

Presence: [0..*]

Definition: Additional Information in local language.

LocalData <LclData> contains the following **LocalData17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		211
	EncodingFormat <NcodgFrmt>	[0..1]	Text		212
	TextMessage <TxtMsg>	[1..1]	Text		212

10.4.6.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

10.4.6.2 EncodingFormat <NcdgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

10.4.6.3 TextMessage <TxtMsg>

Presence: [1..1]

Definition: Contains generic text message in local language.

Datatype: "Max40KText" on page 2164

10.4.7 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

ISO 8583:87/93 bit 104

ISO 8583:2003 bit 104-71

Datatype: "Max1000Text" on page 2157

10.4.8 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

10.4.9 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "AcquirerData1" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

10.4.10 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

10.4.11 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

10.4.12 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

10.4.13 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

10.4.14 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

10.4.15 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode7" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

10.4.16 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentification61"](#) on page 2033 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2034
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2035
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		2035
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2035
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2035
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2035
	AssociatedData <AssoctdData>	[0..1]	Indicator		2035
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2036
	AssociatedDataDestination <AssoctdDataDstn>	[0..1]	Text		2036
	PrivateData <PrvtData>	[0..*]	(External Schema)		2036
	NationalData <NtlData>	[0..*]	(External Schema)		2036

10.4.17 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		217
	Time <Tm>	[0..1]	Time		217

10.4.17.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: ["ISODate"](#) on page 2151

10.4.17.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: ["ISOTime"](#) on page 2169

10.4.18 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		218
	Identification <Id>	[0..1]	Text		218
	Date <Dt>	[0..1]	Date		218
	Time <Tm>	[0..1]	Time		218
	EndPoint <EndPt>	[0..1]	CodeSet		219
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	219
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	219
	Rate <Rate>	[0..1]	Rate		219
	RateType <RateTp>	[0..1]	CodeSet		219
	AgreementType <AgrmtTp>	[0..1]	CodeSet		220
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		220
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		220
	RateLockApplied <RateLckApld>	[0..1]	Indicator		220

10.4.18.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

10.4.18.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

10.4.18.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

10.4.18.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

10.4.18.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

10.4.18.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

10.4.18.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

10.4.18.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

10.4.18.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

10.4.18.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["ExchangeRateAgreementType2Code" on page 2115](#)

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

10.4.18.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.18.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.18.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.19 **Acceptor <Accptr>**

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

10.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

10.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

10.4.22 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

10.4.23 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context26" on page 1804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRcdPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Attndd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgntcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

10.4.24 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

ISO 8583 bit 55

Datatype: "Max10KHexBinaryText" on page 2158

10.4.25 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		230
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		230
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		230
	MessageVersion <MsgVrsn>	[0..1]	Text		230
	XID <XID>	[0..1]	Binary		230
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		230
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		231
	MessageCategory <MsgCtgy>	[0..1]	Text		231
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		231
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		231
	DeviceInformation <DvcInf>	[0..1]	Text		231
	PurchaseAmount <PurchsAmt>	[0..1]	Text		231
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	231
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		232
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		232
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		232
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		232
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		232
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		232
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		233
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		233
	DeviceIdentification <DvcId>	[0..*]	Text		233
	DeviceType <DvcTp>	[0..*]	Text		233
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		233
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		233
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		233
	SessionIdentification <SsnId>	[0..1]	Text		233
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		234
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		234
	DataQuality <DataQlty>	[0..1]	Indicator		234

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		234
	PrivateData <PrvtData>	[0..*]	(External Schema)		234
	NationalData <NtlData>	[0..*]	(External Schema)		234

10.4.25.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

10.4.25.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

10.4.25.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

10.4.25.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

10.4.25.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

10.4.25.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

10.4.25.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

10.4.25.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

10.4.25.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

10.4.25.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

10.4.25.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

10.4.25.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

10.4.25.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

10.4.25.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

10.4.25.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

10.4.25.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

10.4.25.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

10.4.25.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

10.4.25.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

10.4.25.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

10.4.25.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

10.4.25.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

10.4.25.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

10.4.25.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

10.4.25.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

10.4.25.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

10.4.25.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

10.4.25.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

10.4.25.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

10.4.25.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.25.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

10.4.25.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.25.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.26 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crndtls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

10.4.27 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

10.4.28 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

10.4.29 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

10.4.30 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

10.4.31 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

10.4.32 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see "Customer4" on page 1965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

10.4.33 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <Rslt>	[0..1]	CodeSet		2094
	ResultDetails <RsltDtls>	[0..1]	(External Schema)		2094

10.4.34 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

10.4.35 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.36 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "[Instalment8](#)" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

10.4.37 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "[AdditionalService3](#)" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <RsIt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

10.4.38 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		242
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		243

10.4.38.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

10.4.38.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

10.4.39 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

10.4.40 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

10.4.41 Reconciliation <Rcncltn>

Presence: [1..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

10.4.42 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

10.4.43 OriginalTransaction <OrgnlTx>

Presence: [0..*]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvsvDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

10.4.44 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		248
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		248
	DerivedInformation <DrvdInf>	[0..1]	Text		248
	Algorithm <Algo>	[0..1]	Text		249
	KeyLength <KeyLngth>	[0..1]	Text		249
	KeyProtection <KeyPrtc>	[0..1]	Text		249
	KeyIndex <KeyIndx>	[0..1]	Text		249
	PaddingMethod <PddgMtd>	[0..1]	Text		249
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		249
	EncryptedElement <NcrptdElmt>	[1..*]			250
	Identification <Id>	[0..1]	Text		250
	Data <Data>	[1..1]			250
{Or	Binary <Binry>	[1..1]	Binary		250
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		250
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		251
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		251

10.4.44.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

10.4.44.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

10.4.44.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

10.4.44.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

10.4.44.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

10.4.44.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

10.4.44.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

10.4.44.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

10.4.44.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

10.4.44.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		250
	Data <Data>	[1..1]			250
{Or	Binary <Binry>	[1..1]	Binary		250
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		250
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		251
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		251

10.4.44.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

10.4.44.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		250
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		250

10.4.44.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

10.4.44.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

10.4.44.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

10.4.44.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

10.4.45 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.46 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.47 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

10.4.48 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		252
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		253
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		253
	Frequency <Frqcy>	[0..1]	Text		253
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		253
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		253
	ValidationIndicator <VldtnInd>	[0..1]	Text		253
	PrivateData <PrvtData>	[0..*]	(External Schema)		253
	NationalData <NtlData>	[0..*]	(External Schema)		254

10.4.48.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

10.4.48.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

10.4.48.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

10.4.48.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

10.4.48.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

10.4.48.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

10.4.48.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

10.4.48.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

10.4.48.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

11 caad.010.001.03 CustomReportV03

11.1 MessageDefinition Functionality

The Custom Report message can be initiated by any party and received by any party (acquirer, agent, issuer or other party) connected to a network.

This message provides the capability to convey customized reports that are defined by bi-lateral agreement.

Outline

The CustomReportV03 MessageDefinition is composed of 15 MessageBuildingBlocks:

- A. Header
Information related to protocol management.
- B. Originator
Identifies the originator of the transaction.
- C. Sender
Party sending the message to another intermediary agent or to the final destination.
- D. Receiver
Party receiving the message from the origin or from an intermediary agent.
- E. Destination
Identifies the destination of the transaction.
- F. Programme
Programme, network, or brand processes the transaction.
- G. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
- H. SettlementService
Type of settlement service for specific services requiring settlement.
- I. Reconciliation
Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- J. Correction
Identifies that is a corrected version of a report that was previously sent.
- K. Report
Specifies the attributes of a report and its content.
- L. ReportContent

Contains the content of a report.

M. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

N. NationalData

Reserved to define data unique to the country applications.

O. SecurityTrailer

Trailer of the message containing a MAC

11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <CstmRpt>	[1..1]			
	Header <Hdr>	[1..1]	±		257
	Originator <Orgtr>	[0..1]	±		257
	Sender <Sndr>	[0..1]	±		258
	Receiver <Rcvr>	[0..1]	±		258
	Destination <Dstn>	[0..1]	±		259
	Programme <Prgrmm>	[0..*]	±		259
	Jurisdiction <Jursdctn>	[0..1]			260
	DomesticIndicator <DmstInd>	[0..1]	Indicator		260
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		260
	SettlementService <SttlmSvc>	[0..1]	±		260
	Reconciliation <Rcncltn>	[0..1]	±		261
	Correction <Crrctn>	[0..1]			261
	Indicator <Ind>	[0..1]	Indicator		262
	Date <Dt>	[0..1]	Date		262
	Time <Tm>	[0..1]	Time		262
	Report <Rpt>	[1..1]	±		262
	ReportContent <RptCntt>	[0..*]	±		263
	PrivateData <PrvtData>	[0..*]	(External Schema)		264
	NationalData <NtlData>	[0..*]	(External Schema)		265
	SecurityTrailer <SctyTrlr>	[0..1]	±		265

11.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

11.3.2 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

11.3.3 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

11.3.4 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

11.3.5 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

11.3.6 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

11.3.7 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		260
	DomesticQualification <DmstQlfctn>	[0..1]	Text		260

11.3.7.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

11.3.7.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "[Max35Text](#)" on page 2163

11.3.8 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

11.3.9 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "[Reconciliation5](#)" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

11.3.10 Correction <Crrctn>

Presence: [0..1]

Definition: Identifies that is a corrected version of a report that was previously sent.

Correction <Crrctn> contains the following **CorrectionIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Indicator <Ind>	[0..1]	Indicator		262
	Date <Dt>	[0..1]	Date		262
	Time <Tm>	[0..1]	Time		262

11.3.10.1 Indicator <Ind>

Presence: [0..1]

Definition: Indicates the message contains an updated version of a message that was previously sent.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

11.3.10.2 Date <Dt>

Presence: [0..1]

Definition: Contains the date of the update.

Datatype: ["ISODate" on page 2151](#)

11.3.10.3 Time <Tm>

Presence: [0..1]

Definition: Contains the time of the update.

Datatype: ["ISOTime" on page 2169](#)

11.3.11 Report <Rpt>

Presence: [1..1]

Definition: Specifies the attributes of a report and its content.

Report <Rpt> contains the following elements (see "ReportData8" on page 1504 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1504
	Identification <Id>	[0..1]	Text		1505
	Qualifier <Qlfr>	[0..1]	Text		1505
	Date <Dt>	[0..1]	Date		1505
	Time <Tm>	[0..1]	Time		1505
	Sequence <Seq>	[0..1]	Text		1505
	TotalOccurrences <TtlOcrncs>	[0..1]	Text		1505
	Frequency <Frqcy>	[0..1]	CodeSet		1505
	ContinuationIndicator <ConttnInd>	[0..1]	Indicator		1506
	Format <Frmt>	[0..1]	CodeSet		1506
	PrivateData <PrvtData>	[0..*]	(External Schema)		1507
	NationalData <NtlData>	[0..*]	(External Schema)		1507

11.3.12 ReportContent <RptCntt>

Presence: [0..*]

Definition: Contains the content of a report.

ReportContent <RptCntt> contains the following elements (see "ReportContent3" on page 1821 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReportLineSequence <RptLineSeq>	[0..1]	Text		1822
	Text <Txt>	[0..1]	Text		1822
	Binary <Binry>	[0..1]	Binary		1822
	ProtectedData <PrctcdData>	[0..1]			1823
	Control <Ctrl>	[0..1]	Text		1823
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1823
	DerivedInformation <DrvdInf>	[0..1]	Text		1824
	Algorithm <Algo>	[0..1]	Text		1824
	KeyLength <KeyLngth>	[0..1]	Text		1824
	KeyProtection <KeyPrtc>	[0..1]	Text		1824
	KeyIndex <KeyIndx>	[0..1]	Text		1824
	PaddingMethod <PddgMtd>	[0..1]	Text		1824
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1824
	EncryptedElement <NcrptdElmt>	[1..*]			1825
	Identification <Id>	[0..1]	Text		1825
	Data <Data>	[1..1]			1825
{Or	Binary <Binry>	[1..1]	Binary		1825
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1825
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1826
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1826

11.3.13 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

11.3.14 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

11.3.15 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on [page 2066](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcN>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

12 **cafc.001.001.04**

FeeCollectionInitiationV04

12.1 **MessageDefinition Functionality**

The FeeCollectionInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) to claim or pay a miscellaneous service between financial institutions. Fee collection messages have financial impacts and affect reconciliation totals without affecting a cardholder account.

Outline

The FeeCollectionInitiationV04 MessageDefinition is composed of 32 MessageBuildingBlocks:

- A. Header
 - Information related to the protocol management.
 - ISO 8583 MTI
- B. TransactionCharacteristics
 - Contains the key data elements of the transaction.
- C. Originator
 - Identifies the originator of the transaction.
- D. Acquirer
 - Identification of the acquirer.
- E. Sender
 - Party sending the message to another intermediary agent or to the final destination.
- F. Card
 - Card or payment token performing the transaction.
- G. Receiver
 - Party receiving the message from the origin or from an intermediary agent.
- H. Issuer
 - Information related to the issuer.
- I. Destination
 - Identifies the destination of the transaction.
- J. Programme
 - Programme, network, or brand processes the transaction.
- K. TransactionIdentification
 - Identification of the transaction.
- L. ConversionDateTime
 - Date and Time of currency conversion.

- M. Acceptor
Card acceptor performing the card transaction.
- N. Transactor
Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.
- O. Terminal
Payment terminal or ATM performing the transaction.
- P. Context
Context of the reversal transaction.
- Q. TransactionAmounts
Amounts of the card transaction.
- R. AdditionalAmount
Amounts that are not part of the transaction amount and not included in reconciliation.
- S. OriginalDataElements
Data elements contained in the original message.
- T. FeeCollectionReference
Reference for the Fee Collection.
- U. Token
Details of payment token.
- V. Wallet
Container for tenders used by the customer to perform the payment transaction.
- W. SpecialProgrammeQualification
Data to qualify for incentive or other related programmes.
- X. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
- Y. SettlementService
Type of settlement service for specific services requiring settlement.
- Z. AdditionalFee
Fees not included in the transaction amount.
- A Reconciliation
- A. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AB ProcessingResult
· Outcome of the processing of the authorisation.
- AC ProtectedData
·

Contains protected data and the attributes used to protect the data.

A PrivateData

D. Reserved for private data. The use of this data element is determined by bilateral agreement.

AE NationalData

· Reserved to define data unique to the country applications.

AF SecurityTrailer

· Trailer of the message containing a MAC

12.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FeeColltnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		271
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		271
	Originator <Orgtr>	[0..1]	±		272
	Acquirer <Acqrr>	[1..1]	±		272
	Sender <Sndr>	[0..1]	±		273
	Card <Card>	[0..1]	±		273
	Receiver <Rcvr>	[0..1]	±		274
	Issuer <Issr>	[0..1]	±		274
	Destination <Dstin>	[0..1]	±		275
	Programme <Prgrmm>	[0..1]	±		275
	TransactionIdentification <TxId>	[1..1]	±		276
	ConversionDateTime <ConvsDtTm>	[0..1]			277
	Date <Dt>	[1..1]	Date		278
	Time <Tm>	[0..1]	Time		278
	Acceptor <Accptr>	[0..1]	±		278
	Transactor <Txtr>	[0..1]	±		279
	Terminal <Termnl>	[0..1]	±		280
	Context <Cntxt>	[0..1]	±		280
	TransactionAmounts <TxAmts>	[1..1]	±		281
	AdditionalAmount <AddtlAmt>	[0..*]	±		282
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		282
	FeeCollectionReference <FeeColltnRef>	[0..*]	±		283
	Token <Tkn>	[0..1]	±		283
	Wallet <Wllt>	[0..1]	±		284
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	(External Schema)		285
	Jurisdiction <Jursdctn>	[0..1]			286
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		286
	DomesticQualification <DmstQlfcfn>	[0..1]	Text		286
	SettlementService <SttlmSvc>	[0..1]	±		286

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalFee <AddtlFee>	[0..*]	±		287
	Reconciliation <Rcncltn>	[0..1]	±		288
	ProcessingResult <PrcgRslt>	[0..1]	±		288
	ProtectedData <PrctcdData>	[0..*]			289
	Control <Ctrl>	[0..1]	Text		290
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		290
	DerivedInformation <DrvdInf>	[0..1]	Text		290
	Algorithm <Algo>	[0..1]	Text		291
	KeyLength <KeyLngth>	[0..1]	Text		291
	KeyProtection <KeyPrtc>	[0..1]	Text		291
	KeyIndex <KeyIndx>	[0..1]	Text		291
	PaddingMethod <PddgMtd>	[0..1]	Text		291
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		291
	EncryptedElement <NcrptdElmt>	[1..*]			292
	Identification <Id>	[0..1]	Text		292
	Data <Data>	[1..1]			292
{Or	Binary <Binry>	[1..1]	Binary		292
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		292
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		293
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		293
	PrivateData <PrvtData>	[0..*]	(External Schema)		293
	NationalData <NtlData>	[0..*]	(External Schema)		293
	SecurityTrailer <SctyTrlr>	[0..1]	±		293

12.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

12.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

ISO 8583 MTI

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

12.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics7" on page 2044 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2045
	TransactionSubType <TxSubTp>	[0..1]	Text		2045
	Cancellation <Cx/>	[0..1]	Indicator		2045
	MessageReason <MsgRsn>	[0..*]	CodeSet		2045
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2046
	FeeCollectionCycle <FeeColltnCycl>	[0..1]	Text		2046
	TransactionDescription <TxDesc>	[0..1]	Text		2046
	PrivateData <PrvtData>	[0..*]	(External Schema)		2046
	NationalData <NtlData>	[0..*]	(External Schema)		2046
	LocalData <LclData>	[0..*]	±		2046

12.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

12.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

12.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

12.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData14](#)" on page 1432 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1432
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1432
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1432
	PortfolioIdentifier <PrftlIdr>	[0..1]	Text		1433

12.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

12.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

12.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

12.4.10 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

12.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

12.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvSDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		278
	Time <Tm>	[0..1]	Time		278

12.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

12.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

12.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData4" on page 1903 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1904
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1904
	BusinessName <BizNm>	[0..1]	Text		1904
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1904
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1905
	AppliedAddress <ApldAdr>	[0..1]	±		1905
	NameAndLocation <NmAndLctn>	[0..1]	Text		1906
	URLAddress <URLAdr>	[0..1]	Text		1906
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1906
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1906
	LocalData <LclData>	[0..*]	±		1907
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1907
	PartnerIdentification <PrtnrId>	[0..1]	Text		1907
	PrivateData <PrvtData>	[0..*]	(External Schema)		1907
	NationalData <NtlData>	[0..*]	(External Schema)		1907

12.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

12.4.15 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

12.4.16 Context <Cntxt>

Presence: [0..1]

Definition: Context of the reversal transaction.

Context <Cntxt> contains the following elements (see "Context29" on page 1555 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1555
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1555
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1555
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1556
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1556
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1556
	NoShow <NoShow>	[0..1]	Indicator		1556
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1556
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1557
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1557
	PrivateData <PrvtData>	[0..*]	(External Schema)		1557
	NationalData <NtlData>	[0..*]	(External Schema)		1557

12.4.17 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

12.4.18 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

12.4.19 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

12.4.20 FeeCollectionReference <FeeColltnRef>

Presence: [0..*]

Definition: Reference for the Fee Collection.

FeeCollectionReference <FeeColltnRef> contains the following elements (see "FeeCollectionReference3" on page 2032 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		2033
	Identification <Id>	[1..1]	Text		2033

12.4.21 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

12.4.22 Wallet <Wlft>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

12.4.23 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

12.4.24 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		286
	DomesticQualification <DmstQlfctn>	[0..1]	Text		286

12.4.24.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

12.4.24.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

12.4.25 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

12.4.26 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

12.4.27 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

12.4.28 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult32" on page 2074 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

12.4.29 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		290
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		290
	DerivedInformation <DrvdInf>	[0..1]	Text		290
	Algorithm <Algo>	[0..1]	Text		291
	KeyLength <KeyLngth>	[0..1]	Text		291
	KeyProtection <KeyPrtc>	[0..1]	Text		291
	KeyIndex <KeyIndx>	[0..1]	Text		291
	PaddingMethod <PddgMtd>	[0..1]	Text		291
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		291
	EncryptedElement <NcrptdElmt>	[1..*]			292
	Identification <Id>	[0..1]	Text		292
	Data <Data>	[1..1]			292
{Or	Binary <Binry>	[1..1]	Binary		292
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		292
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		293
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		293

12.4.29.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

12.4.29.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

12.4.29.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

12.4.29.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

12.4.29.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

12.4.29.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

12.4.29.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

12.4.29.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

12.4.29.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

12.4.29.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		292
	Data <Data>	[1..1]			292
{Or	Binary <Binry>	[1..1]	Binary		292
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		292
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		293
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		293

12.4.29.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

12.4.29.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		292
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		292

12.4.29.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

12.4.29.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

12.4.29.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

12.4.29.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

12.4.30 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

12.4.31 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

12.4.32 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

13 **cafc.002.001.04**

FeeCollectionResponseV04

13.1 **MessageDefinition Functionality**

The FeeCollectionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FeeCollectionInitiation message.

Outline

The FeeCollectionResponseV04 MessageDefinition is composed of 30 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

ISO 8583 MTI

B. TransactionCharacteristics

Contains the key data elements of the transaction.

C. Originator

Identifies the originator of the transaction.

D. Acquirer

Identification of the acquirer.

E. Sender

Party sending the message to another intermediary agent or to the final destination.

F. Card

Card or payment token performing the transaction.

G. Receiver

Party receiving the message from the origin or from an intermediary agent.

H. Issuer

Information related to the issuer.

I. Destination

Identifies the destination of the transaction.

J. Programme

Programme, network, or brand processes the transaction.

K. TransactionIdentification

Identification of the transaction.

L. ConversionDateTime

Date and Time of currency conversion.

M. Acceptor

Card acceptor performing the card transaction.

N. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

O. Context

Context of the reversal transaction.

P. TransactionAmounts

Amounts of the card transaction.

Q. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

R. OriginalDataElements

Data elements contained in the original message.

S. FeeCollectionReference

Reference for the Fee Collection.

T. Token

Details of payment token.

U. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. ProcessingResult

Outcome of the processing of the authorisation.

A ProtectedData

A. Contains protected data and the attributes used to protect the data.

AB PrivateData

· Reserved for private data. The use of this data element is determined by bilateral agreement.

AC NationalData

· Reserved to define data unique to the country applications.

- A SecurityTrailer
- D. Trailer of the message containing a MAC

13.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FeeColltnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		299
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		300
	Originator <Orgtr>	[0..1]	±		301
	Acquirer <Acqrr>	[1..1]	±		301
	Sender <Sndr>	[0..1]	±		301
	Card <Card>	[0..1]	±		302
	Receiver <Rcvr>	[0..1]	±		302
	Issuer <Issr>	[0..1]	±		303
	Destination <Dstn>	[0..1]	±		303
	Programme <Prgrmm>	[0..1]	±		304
	TransactionIdentification <TxId>	[1..1]	±		304
	ConversionDateTime <ConvsDtTm>	[0..1]			305
	Date <Dt>	[1..1]	Date		306
	Time <Tm>	[0..1]	Time		306
	Acceptor <Accptr>	[0..1]	±		306
	Transactor <Txtr>	[0..1]	±		307
	Context <Cntxt>	[0..1]	±		307
	TransactionAmounts <TxAmts>	[1..1]	±		308
	AdditionalAmount <AddtlAmt>	[0..*]	±		309
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		309
	FeeCollectionReference <FeeColltnRef>	[0..*]	±		310
	Token <Tkn>	[0..1]	±		310
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		311
	Jurisdiction <Jursdctn>	[0..1]			312
	DomesticIndicator <DmstInd>	[0..1]	Indicator		312
	DomesticQualification <DmstQlfctn>	[0..1]	Text		312
	SettlementService <SttlmSvc>	[0..1]	±		312
	AdditionalFee <AddtlFee>	[0..*]	±		313
	Reconciliation <Rcncltn>	[0..1]	±		314

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProcessingResult <PrcgRslt>	[1..1]	±		314
	ProtectedData <PrctcdData>	[0..*]			315
	Control <Ctrl>	[0..1]	Text		316
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		316
	DerivedInformation <DrvdInf>	[0..1]	Text		316
	Algorithm <Algo>	[0..1]	Text		317
	KeyLength <KeyLngth>	[0..1]	Text		317
	KeyProtection <KeyPrtc>	[0..1]	Text		317
	KeyIndex <KeyIndx>	[0..1]	Text		317
	PaddingMethod <PddgMtd>	[0..1]	Text		317
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		317
	EncryptedElement <NcrptdElmt>	[1..*]			318
	Identification <Id>	[0..1]	Text		318
	Data <Data>	[1..1]			318
{Or	Binary <Binry>	[1..1]	Binary		318
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		318
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		319
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		319
	PrivateData <PrvtData>	[0..*]	(External Schema)		319
	NationalData <NtlData>	[0..*]	(External Schema)		319
	SecurityTrailer <SctyTrlr>	[0..1]	±		319

13.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

13.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

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Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

13.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics7" on page 2044 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2045
	TransactionSubType <TxSubTp>	[0..1]	Text		2045
	Cancellation <Cxl>	[0..1]	Indicator		2045
	MessageReason <MsgRsn>	[0..*]	CodeSet		2045
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2046
	FeeCollectionCycle <FeeColltnCycl>	[0..1]	Text		2046
	TransactionDescription <TxDesc>	[0..1]	Text		2046
	PrivateData <PrvtData>	[0..*]	(External Schema)		2046
	NationalData <NtlData>	[0..*]	(External Schema)		2046
	LocalData <LclData>	[0..*]	±		2046

13.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

13.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

13.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

13.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData14](#)" on page 1432 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1432
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1432
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1432
	PortfolioIdentifier <PrtlIdr>	[0..1]	Text		1433

13.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

13.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

13.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

13.4.10 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

13.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

13.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDdtM> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		306
	Time <Tm>	[0..1]	Time		306

13.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

13.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

13.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

13.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

13.4.15 Context <Cntxt>

Presence: [0..1]

Definition: Context of the reversal transaction.

Context <Cntxt> contains the following elements (see "[Context29](#)" on page 1555 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1555
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1555
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1555
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1556
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1556
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1556
	NoShow <NoShow>	[0..1]	Indicator		1556
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1556
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1557
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1557
	PrivateData <PrvtData>	[0..*]	(External Schema)		1557
	NationalData <NtlData>	[0..*]	(External Schema)		1557

13.4.16 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts5](#)" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

13.4.17 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

13.4.18 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

13.4.19 FeeCollectionReference <FeeColltnRef>

Presence: [0..*]

Definition: Reference for the Fee Collection.

FeeCollectionReference <FeeColltnRef> contains the following elements (see "FeeCollectionReference3" on page 2032 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		2033
	Identification <Id>	[1..1]	Text		2033

13.4.20 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

13.4.21 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

13.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		312
	DomesticQualification <DmstQlfctn>	[0..1]	Text		312

13.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

13.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

13.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

13.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

13.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

13.4.26 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

13.4.27 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		316
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		316
	DerivedInformation <DrvdInf>	[0..1]	Text		316
	Algorithm <Algo>	[0..1]	Text		317
	KeyLength <KeyLngth>	[0..1]	Text		317
	KeyProtection <KeyPrtc>	[0..1]	Text		317
	KeyIndex <KeyIndx>	[0..1]	Text		317
	PaddingMethod <PddgMtd>	[0..1]	Text		317
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		317
	EncryptedElement <NcrptdElmt>	[1..*]			318
	Identification <Id>	[0..1]	Text		318
	Data <Data>	[1..1]			318
{Or	Binary <Binry>	[1..1]	Binary		318
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		318
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		319
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		319

13.4.27.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

13.4.27.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

13.4.27.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

13.4.27.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

13.4.27.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

13.4.27.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

13.4.27.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

13.4.27.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

13.4.27.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

13.4.27.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		318
	Data <Data>	[1..1]			318
{Or	Binary <Binry>	[1..1]	Binary		318
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		318
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		319
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		319

13.4.27.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

13.4.27.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		318
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		318

13.4.27.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

13.4.27.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

13.4.27.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

13.4.27.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

13.4.28 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

13.4.29 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

13.4.30 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

14 caf.001.001.04 FileActionInitiationV04

14.1 MessageDefinition Functionality

The FileActionInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer).

This message is used to inquire, add, change, delete or replace a file or a record.

Outline

The FileActionInitiationV04 MessageDefinition is composed of 43 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

C. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

D. FileActionScope

Scope of file action.

E. FileActionType

Type of file action. P000-P999 reserved for private use, N000-N999 reserved for national use.

F. TransactionDescription

Transaction data related to programmes and services, content and format based on bilateral agreements.

G. Continuation

Indicates that batch or collection is not complete.

H. Originator

Identifies the originator of the transaction.

I. Acquirer

Identification of the acquirer.

J. Sender

Party sending the message to another intermediary agent or to the final destination.

K. Card

Card or payment token performing the transaction.

-
- L. Receiver
Party receiving the message from the origin or from an intermediary agent.
 - M. Issuer
Information related to the issuer.
 - N. Destination
Identifies the destination of the transaction.
 - O. Programme
Programme, network, or brand processes the transaction.
 - P. SystemTraceAuditNumber
Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)
 - Q. TransmissionDateTime
Date and time expressed in UTC of the message as sent by the initiator.
 - R. RetrievalReferenceNumber
A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.
 - S. LifeCycleIdentification
Transaction lifecycle identification
 - T. FileName
Identification of the file.
 - U. Format
File format code. P000-P999 reserved for private use, N000-N999 reserved for national use.
 - V. DataRecord
Content of record to be added, updated, deleted or replaced.
 - W. ActionDate
Date when the file action should be performed.
 - X. FileSecurityCode
Indicates that the originator of the message is authorised to update the file.
 - Y. Correction
Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.
 - Z. Acceptor
Card acceptor performing the card transaction.
 - A Terminal
 - A. Payment terminal or ATM performing the transaction.

AB POIComponent

- Data related to the components of the POI (Point Of Interaction) performing the transactions.

AC Payer

- The party providing source of funds.

A Payee

- D. The party receiving funds.

AE Token

- Details of payment token.

AF CustomerDevice

- Identification of the customer device performing the transaction.

A Wallet

- G. Container for tenders used by the customer to perform the payment transaction.

A Cardholder

- H. Cardholder performing the card payment transaction.

AI. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

AJ. SettlementService

Type of settlement service for specific services requiring settlement.

A AdditionalFee

- K. Fees not included in the transaction amount.

AL Reconciliation

- Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A ResponseCode

- M. Response code defined in ISO 8583.

A ProtectedData

- N. Contains protected data and the attributes used to protect the data.

A PrivateData

- O. Reserved for private data. The use of this data element is determined by bilateral agreement.

AP NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- Q. Trailer of the message containing a MAC

14.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FileActnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		326
	MessageReason <MsgRsn>	[0..*]	CodeSet		327
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		327
	FileActionScope <FileActnScp>	[0..1]	CodeSet		327
	FileActionType <FileActnTp>	[0..1]	CodeSet		327
	TransactionDescription <TxDesc>	[0..1]	Text		328
	Continuation <Conttn>	[0..1]	Indicator		328
	Originator <Orgtr>	[0..1]	±		328
	Acquirer <Acqrr>	[0..1]	±		328
	Sender <Sndr>	[0..1]	±		329
	Card <Card>	[1..1]	±		329
	Receiver <Rcvr>	[0..1]	±		330
	Issuer <Issr>	[0..1]	±		331
	Destination <Dstn>	[0..1]	±		331
	Programme <Prgrmm>	[0..1]	±		332
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		332
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		332
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		333
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		333
	FileName <FileNm>	[0..1]	Text		333
	Format <Frmt>	[0..1]	CodeSet		333
	DataRecord <DataRcrd>	[0..1]	(External Schema)		334
	ActionDate <ActnDt>	[0..1]	Date		334
	FileSecurityCode <FileSctyCd>	[0..1]	Text		334
	Correction <Crrctn>	[0..1]			334
	Indicator <Ind>	[0..1]	Indicator		334
	Date <Dt>	[0..1]	Date		335
	Time <Tm>	[0..1]	Time		335
	Acceptor <Accptr>	[0..1]	±		335

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Terminal <Termnl>	[0..1]	±		336
	POIComponent <POICmpnt>	[0..*]	±		338
	Payer <Pyer>	[0..1]	±		338
	Payee <Pyee>	[0..1]	±		339
	Token <Tkn>	[0..1]	±		340
	CustomerDevice <CstmrDvc>	[0..1]	±		341
	Wallet <Wllt>	[0..1]	±		342
	Cardholder <Crhdldr>	[0..1]	±		343
	Jurisdiction <Jursdctn>	[0..1]			344
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		344
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		345
	SettlementService <SttlmSvc>	[0..1]	±		345
	AdditionalFee <AddtlFee>	[0..*]	±		345
	Reconciliation <Rcncltn>	[0..1]	±		346
	ResponseCode <RspnCd>	[0..1]	CodeSet		346
	ProtectedData <PrctcdData>	[0..*]			347
	Control <Ctrl>	[0..1]	Text		347
	KeySetIdentifier <KeySetldr>	[0..1]	Text		347
	DerivedInformation <DrvdInf>	[0..1]	Text		348
	Algorithm <Algo>	[0..1]	Text		348
	KeyLength <KeyLngth>	[0..1]	Text		348
	KeyProtection <KeyPrtcn>	[0..1]	Text		348
	KeyIndex <KeyIndx>	[0..1]	Text		348
	PaddingMethod <PddgMtd>	[0..1]	Text		348
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		349
	EncryptedElement <NcrptdElmt>	[1..*]			349
	Identification <Id>	[0..1]	Text		349
	Data <Data>	[1..1]			349
{Or	Binary <Binry>	[1..1]	Binary		349
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		350
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		350

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		350
	PrivateData <PrvtData>	[0..*]	(External Schema)		350
	NationalData <NtlData>	[0..*]	(External Schema)		350
	SecurityTrailer <SctyTrlr>	[0..1]	±		351

14.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

14.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

14.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

14.4.2 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

14.4.3 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

14.4.4 FileActionScope <FileActnScp>

Presence: [0..1]

Definition: Scope of file action.

Datatype: "FileActionScope1Code" on page 2118

CodeName	Name	Definition
FILE	File	Action applies to a file
RECD	Record	Action applies to a record

14.4.5 FileActionType <FileActnTp>

Presence: [0..1]

Definition: Type of file action. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "FileActionType3Code" on page 2118

CodeName	Name	Definition
ADDD	Add	Add a new record or file.
BRPT	BulkReplacement	Replacing previously added records.
DELT	Delete	Delete an existing record or file.
DLSP	DeleteRecordSystemPurge	System purge.
ENQR	Enquire	Request the content of an existing record or file.
REPL	Replace	Add a new record or file if none exists or replace an existing record or file if one exists.
REQU	Request	Request for a file or record.
UPDT	Update	Update an existing record or file.

14.4.6 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

14.4.7 Continuation <Conttn>

Presence: [0..1]

Definition: Indicates that batch or collection is not complete.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

14.4.8 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

14.4.9 Acquirer <Acqrr>

Presence: [0..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

14.4.10 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

14.4.11 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

14.4.12 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

14.4.13 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

14.4.14 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

14.4.15 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

14.4.16 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

14.4.17 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

14.4.18 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

14.4.19 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

14.4.20 FileName <FileNm>

Presence: [0..1]

Definition: Identification of the file.

Datatype: "Max140Text" on page 2159

14.4.21 Format <Frmt>

Presence: [0..1]

Definition: File format code. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "OutputFormat7Code" on page 2134

CodeName	Name	Definition
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.
PLIN	PrintLine	A formatted print line.
JSON	JSON	Java Syntax Object Notation format.
XMLF	XML	eXtensible Markup Language format.
EDIF	EDIFACT	Electronic data interchange for administration, commerce and transport.
CSVF	CSV	Comma separated value format.
JPEG	JPEG	Joint Photographic Experts Group format.
PDFF	PDF	Portable Document Format.
PNGF	PNG	Portable Network Graphics format.
SVGF	SVG	Scalable vector graphic format.

14.4.22 DataRecord <DataRcrd>

Presence: [0..1]

Definition: Content of record to be added, updated, deleted or replaced.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

14.4.23 ActionDate <ActnDt>

Presence: [0..1]

Definition: Date when the file action should be performed.

Datatype: "ISODate" on page 2151

14.4.24 FileSecurityCode <FileSctyCd>

Presence: [0..1]

Definition: Indicates that the originator of the message is authorised to update the file.

Datatype: "Max35Text" on page 2163

14.4.25 Correction <Crrctn>

Presence: [0..1]

Definition: Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

Correction <Crrctn> contains the following **CorrectionIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Indicator <Ind>	[0..1]	Indicator		334
	Date <Dt>	[0..1]	Date		335
	Time <Tm>	[0..1]	Time		335

14.4.25.1 Indicator <Ind>

Presence: [0..1]

Definition: Indicates the message contains an updated version of a message that was previously sent.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

14.4.25.2 Date <Dt>

Presence: [0..1]

Definition: Contains the date of the update.

Datatype: "ISODate" on page 2151

14.4.25.3 Time <Tm>

Presence: [0..1]

Definition: Contains the time of the update.

Datatype: "ISOTime" on page 2169

14.4.26 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData3" on page 1948 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1949
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1950
	BusinessName <BizNm>	[0..1]	Text		1950
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1950
	NameAndLocation <NmAndLctn>	[0..1]	Text		1950
	Address <Adr>	[0..1]	±		1950
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1951
	Email <Email>	[0..1]	Text		1951
	URLAddress <URLAdr>	[0..1]	Text		1951
	PhoneNumber <PhneNb>	[0..1]	Text		1951
	CustomerService <CstmrSvc>	[0..1]	Text		1951
	AdditionalContact <AddtlCtct>	[0..1]	Text		1952
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1952
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1952
	LocalData <LclData>	[0..1]	±		1952
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1952
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1953
	BusinessType <BizTp>	[0..1]	Text		1953
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1953
	OwnerType <OwnrTp>	[0..1]	Text		1953
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1953
	CertificationType <CertfctnTp>	[0..1]	Text		1953
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1953
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1954
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1954
	PrivateData <PrvtData>	[0..*]	(External Schema)		1954
	NationalData <NtlData>	[0..*]	(External Schema)		1954

14.4.27 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

14.4.28 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

14.4.29 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

14.4.30 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <Fi>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

14.4.31 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

14.4.32 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

14.4.33 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

14.4.34 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

14.4.35 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		344
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		345

14.4.35.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

14.4.35.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

14.4.36 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

14.4.37 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

14.4.38 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

14.4.39 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Response code defined in ISO 8583.

Datatype: "ISO8583ResponseCode" on page 2127

14.4.40 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		347
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		347
	DerivedInformation <DrvdInf>	[0..1]	Text		348
	Algorithm <Algo>	[0..1]	Text		348
	KeyLength <KeyLngth>	[0..1]	Text		348
	KeyProtection <KeyPrtc>	[0..1]	Text		348
	KeyIndex <KeyIndx>	[0..1]	Text		348
	PaddingMethod <PddgMtd>	[0..1]	Text		348
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		349
	EncryptedElement <NcrptdElmt>	[1..*]			349
	Identification <Id>	[0..1]	Text		349
	Data <Data>	[1..1]			349
{Or	Binary <Binry>	[1..1]	Binary		349
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		350
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		350
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		350

14.4.40.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

14.4.40.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

14.4.40.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

14.4.40.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

14.4.40.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

14.4.40.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

14.4.40.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

14.4.40.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

14.4.40.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

14.4.40.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		349
	Data <Data>	[1..1]			349
{Or	Binary <Binry>	[1..1]	Binary		349
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		350
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		350
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		350

14.4.40.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

14.4.40.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		349
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		350

14.4.40.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

14.4.40.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

14.4.40.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

14.4.40.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

14.4.41 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

14.4.42 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

14.4.43 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

15 **cafm.002.001.04** **FileActionResponseV04**

15.1 **MessageDefinition Functionality**

A FileActionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FileActionInitiation message.

Outline

The FileActionResponseV04 MessageDefinition is composed of 37 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. Originator
Identifies the originator of the transaction.
- C. Acquirer
Identification of the acquirer.
- D. Sender
Party sending the message to another intermediary agent or to the final destination.
- E. Card
Card or payment token performing the transaction.
- F. Receiver
Party receiving the message from the origin or from an intermediary agent.
- G. Issuer
Information related to the issuer.
- H. Destination
Identifies the destination of the transaction.
- I. Programme
Programme, network, or brand processes the transaction.
- J. SystemTraceAuditNumber
Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)
- K. TransmissionDateTime
Date and time expressed in UTC of the message as sent by the initiator.
- L. RetrievalReferenceNumber
A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

- M. LifeCycleIdentification
 - Transaction lifecycle identification
- N. FileName
 - Identification of the file.
- O. Format
 - File format code. P000-P999 reserved for private use, N000-N999 reserved for national use.
- P. DataRecord
 - Content of record to be added, updated, deleted or replaced.
- Q. ActionDate
 - Date when the file action should be performed.
- R. FileSecurityCode
 - Indicates that the originator of the message is authorised to update the file.
- S. Correction
 - Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.
- T. Acceptor
 - Card acceptor performing the card transaction.
- U. Terminal
 - Payment terminal or ATM performing the transaction.
- V. POIComponent
 - Data related to the components of the POI (Point Of Interaction) performing the transactions.
- W. Payer
 - The party providing source of funds.
- X. Payee
 - The party receiving funds.
- Y. Token
 - Details of payment token.
- Z. CustomerDevice
 - Identification of the customer device performing the transaction.
- A Wallet
 - A. Container for tenders used by the customer to perform the payment transaction.
- AB Cardholder
 - Cardholder performing the card payment transaction.
- AC Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.

A SettlementService

D. Type of settlement service for specific services requiring settlement.

AE AdditionalFee

· Fees not included in the transaction amount.

AF Reconciliation

· Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A ResponseCode

G. Response code defined in ISO 8583.

A ProtectedData

H. Contains protected data and the attributes used to protect the data.

AI. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

AJ. NationalData

Reserved to define data unique to the country applications.

A SecurityTrailer

K. Trailer of the message containing a MAC

15.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FileActnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		357
	Originator <Orgtr>	[0..1]	±		357
	Acquirer <Acqrr>	[0..1]	±		358
	Sender <Sndr>	[0..1]	±		358
	Card <Card>	[1..1]	±		359
	Receiver <Rcvr>	[0..1]	±		360
	Issuer <Issr>	[0..1]	±		361
	Destination <Dstn>	[0..1]	±		361
	Programme <Prgrmm>	[0..1]	±		362
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		362
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		362
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		363
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		363
	FileName <FileNm>	[0..1]	Text		363
	Format <Frmt>	[0..1]	CodeSet		363
	DataRecord <DataRcrd>	[0..1]	(External Schema)		364
	ActionDate <ActnDt>	[0..1]	Date		364
	FileSecurityCode <FileSctyCd>	[0..1]	Text		364
	Correction <Crrctn>	[0..1]			364
	Indicator <Ind>	[0..1]	Indicator		364
	Date <Dt>	[0..1]	Date		365
	Time <Tm>	[0..1]	Time		365
	Acceptor <Accptr>	[0..1]	±		365
	Terminal <Termnl>	[0..1]	±		366
	POIComponent <POICmpnt>	[0..*]	±		368
	Payer <Pyer>	[0..1]	±		368
	Payee <Pyee>	[0..1]	±		369
	Token <Tkn>	[0..1]	±		370
	CustomerDevice <CstmrDvc>	[0..1]	±		371

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Wallet <Wllt>	[0..1]	±		372
	Cardholder <Crhdldr>	[0..1]	±		373
	Jurisdiction <Jursdctn>	[0..1]			374
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		374
	DomesticQualification <DmstQlfctn>	[0..1]	Text		375
	SettlementService <SttlmSvc>	[0..1]	±		375
	AdditionalFee <AddtlFee>	[0..*]	±		375
	Reconciliation <Rcncltn>	[0..1]	±		376
	ResponseCode <RspnCd>	[1..1]	CodeSet		376
	ProtectedData <PrtctdData>	[0..*]			377
	Control <Ctrl>	[0..1]	Text		377
	KeySetIdentifier <KeySetldr>	[0..1]	Text		377
	DerivedInformation <DrvdInf>	[0..1]	Text		378
	Algorithm <Algo>	[0..1]	Text		378
	KeyLength <KeyLngth>	[0..1]	Text		378
	KeyProtection <KeyPrtcn>	[0..1]	Text		378
	KeyIndex <KeyIndx>	[0..1]	Text		378
	PaddingMethod <PddgMtd>	[0..1]	Text		378
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		379
	EncryptedElement <NcrptdElmt>	[1..*]			379
	Identification <Id>	[0..1]	Text		379
	Data <Data>	[1..1]			379
{Or	Binary <Binry>	[1..1]	Binary		379
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		380
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		380
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		380
	PrivateData <PrvtData>	[0..*]	(External Schema)		380
	NationalData <NtlData>	[0..*]	(External Schema)		380
	SecurityTrailer <SctyTrlr>	[0..1]	±		381

15.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

15.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

15.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

15.4.2 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

15.4.3 Acquirer <Acqrr>

Presence: [0..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

15.4.4 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

15.4.5 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

15.4.6 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

15.4.7 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

15.4.8 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

15.4.9 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

15.4.10 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "[Max12NumericText](#)" on page 2159

15.4.11 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "[ISODatetime](#)" on page 2152

15.4.12 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

15.4.13 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

15.4.14 FileName <FileNm>

Presence: [0..1]

Definition: Identification of the file.

Datatype: "Max140Text" on page 2159

15.4.15 Format <Frmt>

Presence: [0..1]

Definition: File format code. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "OutputFormat7Code" on page 2134

CodeName	Name	Definition
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.
PLIN	PrintLine	A formatted print line.
JSON	JSON	Java Syntax Object Notation format.
XMLF	XML	eXtensible Markup Language format.
EDIF	EDIFACT	Electronic data interchange for administration, commerce and transport.
CSVF	CSV	Comma separated value format.
JPEG	JPEG	Joint Photographic Experts Group format.
PDFF	PDF	Portable Document Format.
PNGF	PNG	Portable Network Graphics format.
SVGF	SVG	Scalable vector graphic format.

15.4.16 DataRecord <DataRcrd>

Presence: [0..1]

Definition: Content of record to be added, updated, deleted or replaced.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

15.4.17 ActionDate <ActnDt>

Presence: [0..1]

Definition: Date when the file action should be performed.

Datatype: "ISODate" on page 2151

15.4.18 FileSecurityCode <FileSctyCd>

Presence: [0..1]

Definition: Indicates that the originator of the message is authorised to update the file.

Datatype: "Max35Text" on page 2163

15.4.19 Correction <Crrctn>

Presence: [0..1]

Definition: Identifies that this batch or collection is a corrected version of a batch or collection that was previously sent.

Correction <Crrctn> contains the following **CorrectionIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Indicator <Ind>	[0..1]	Indicator		364
	Date <Dt>	[0..1]	Date		365
	Time <Tm>	[0..1]	Time		365

15.4.19.1 Indicator <Ind>

Presence: [0..1]

Definition: Indicates the message contains an updated version of a message that was previously sent.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

15.4.19.2 Date <Dt>

Presence: [0..1]

Definition: Contains the date of the update.

Datatype: "ISODate" on page 2151

15.4.19.3 Time <Tm>

Presence: [0..1]

Definition: Contains the time of the update.

Datatype: "ISOTime" on page 2169

15.4.20 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData3" on page 1948 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1949
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1950
	BusinessName <BizNm>	[0..1]	Text		1950
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1950
	NameAndLocation <NmAndLctn>	[0..1]	Text		1950
	Address <Adr>	[0..1]	±		1950
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1951
	Email <Email>	[0..1]	Text		1951
	URLAddress <URLAdr>	[0..1]	Text		1951
	PhoneNumber <PhneNb>	[0..1]	Text		1951
	CustomerService <CstmrSvc>	[0..1]	Text		1951
	AdditionalContact <AddtlCtct>	[0..1]	Text		1952
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1952
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1952
	LocalData <LclData>	[0..1]	±		1952
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1952
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1953
	BusinessType <BizTp>	[0..1]	Text		1953
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1953
	OwnerType <OwnrTp>	[0..1]	Text		1953
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1953
	CertificationType <CertfctnTp>	[0..1]	Text		1953
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1953
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1954
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1954
	PrivateData <PrvtData>	[0..*]	(External Schema)		1954
	NationalData <NtlData>	[0..*]	(External Schema)		1954

15.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

15.4.22 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

15.4.23 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

15.4.24 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

15.4.25 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

15.4.26 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdIld>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

15.4.27 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

15.4.28 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptn>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

15.4.29 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		374
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		375

15.4.29.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

15.4.29.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

15.4.30 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

15.4.31 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

15.4.32 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

15.4.33 ResponseCode <RspnCd>

Presence: [1..1]

Definition: Response code defined in ISO 8583.

Datatype: "ISO8583ResponseCode" on page 2127

15.4.34 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		377
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		377
	DerivedInformation <DrvdInf>	[0..1]	Text		378
	Algorithm <Algo>	[0..1]	Text		378
	KeyLength <KeyLngth>	[0..1]	Text		378
	KeyProtection <KeyPrtc>	[0..1]	Text		378
	KeyIndex <KeyIndx>	[0..1]	Text		378
	PaddingMethod <PddgMtd>	[0..1]	Text		378
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		379
	EncryptedElement <NcrptdElmt>	[1..*]			379
	Identification <Id>	[0..1]	Text		379
	Data <Data>	[1..1]			379
{Or	Binary <Binry>	[1..1]	Binary		379
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		380
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		380
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		380

15.4.34.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

15.4.34.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

15.4.34.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

15.4.34.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

15.4.34.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

15.4.34.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

15.4.34.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

15.4.34.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

15.4.34.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

15.4.34.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		379
	Data <Data>	[1..1]			379
{Or	Binary <Binry>	[1..1]	Binary		379
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		380
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		380
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		380

15.4.34.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

15.4.34.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		379
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		380

15.4.34.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

15.4.34.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

15.4.34.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

15.4.34.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

15.4.35 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

15.4.36 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

15.4.37 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on [page 2066](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngh>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

16 cafr.001.001.04 FraudReportingInitiationV04

16.1 MessageDefinition Functionality

A FraudReportingInitiation message is usually sent by a financial institution acting as an acquirer or as an issuer to an agent (processor, agent) to inform about a confirmed fraudulent transaction.

Outline

The FraudReportingInitiationV04 MessageDefinition is composed of 25 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. ReportedFraud
Fraud reporting type information.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. FraudulentTransactionData
Data pertaining to fraudulent reported transaction.
- H. Receiver
Information related to the receiver.
- I. Issuer
Information related to the issuer.
- J. Destination
Information related to the destination.
- K. Programme
Programme, network, or brand processes the transaction.
- L. FraudTransactionIdentification
Identification of the transaction reporting the fraud.
- M. CardNotReceivedDetails
Details of a not-received card.

N. AdditionalInformation

Additional information relevant for the settlement report.

O. LocalData

Contains text fields in the local language.

P. Token

Details of payment token.

Q. Cardholder

Cardholder performing the card payment transaction.

R. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

S. SettlementService

Type of settlement service for specific services requiring settlement.

T. AdditionalFee

Fees not included in the transaction amount.

U. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

V. ProtectedData

Contains protected data and the attributes used to protect the data.

W. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

X. NationalData

Reserved to define data unique to the country applications.

Y. SecurityTrailer

Trailer of the message containing a MAC

16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdRptgInIt>	[1..1]			
	Header <Hdr>	[1..1]	±		386
	ReportedFraud <RptdFrd>	[1..1]	±		386
	Originator <Orgtr>	[0..1]	±		387
	Acquirer <Acqrr>	[0..1]	±		387
	Sender <Sndr>	[0..1]	±		388
	Card <Card>	[0..1]	±		388
	FraudulentTransactionData <FrdIntTxData>	[1..1]			389
	Authorisation <Authstn>	[0..1]	Indicator		390
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		390
	MessageReason <MsgRsn>	[0..*]	CodeSet		391
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		391
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		391
	DisputeCondition <DsptCond>	[0..1]	Text		391
	AgentDisputeBundleCaseReference <AgtDsptBndlCaseRef>	[0..1]	Text		391
	AgentDisputeCaseReference <AgtDsptCaseRef>	[0..1]	Text		392
	AcquirerDisputeCaseReference <AcqrrDsptCaseRef>	[0..1]	Text		392
	IssuerDisputeCaseReference <IssrDsptCaseRef>	[0..1]	Text		392
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		392
	Receiver <Rcvr>	[0..1]	±		392
	Issuer <Issr>	[0..1]	±		392
	Destination <Dstn>	[0..1]	±		393
	Programme <Prgrmm>	[0..1]	±		393
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		394
	CardNotReceivedDetails <CardNotRcvdDtls>	[0..1]			394
	DateMailed <DtMld>	[1..1]	Date		394
	MailingAddress <MlngAdr>	[0..1]	±		394
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		395
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		395
	ValidFrom <VldFr>	[0..1]	Date		395

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSecurityCode <CardSctyCd>	[0..1]	Indicator		395
	CardSecurityCapability <CardSctyCpblty>	[0..*]	CodeSet		396
	AdditionalInformation <AddtlInf>	[0..1]	(External Schema)		396
	LocalData <LclData>	[0..1]	±		396
	Token <Tkn>	[0..1]	±		397
	Cardholder <Crhdldr>	[0..*]	±		397
	Jurisdiction <Jursdctn>	[0..1]			398
	DomesticIndicator <DmstInd>	[0..1]	Indicator		398
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		399
	SettlementService <SttlmSvc>	[0..1]	±		399
	AdditionalFee <AddtlFee>	[0..*]	±		399
	Reconciliation <Rcncltn>	[0..1]	±		400
	ProtectedData <PrctcdData>	[0..*]			400
	Control <Ctrl>	[0..1]	Text		401
	KeySetIdentifier <KeySetldr>	[0..1]	Text		401
	DerivedInformation <DrvdInf>	[0..1]	Text		401
	Algorithm <Algo>	[0..1]	Text		402
	KeyLength <KeyLngth>	[0..1]	Text		402
	KeyProtection <KeyPrtcn>	[0..1]	Text		402
	KeyIndex <KeyIndx>	[0..1]	Text		402
	PaddingMethod <PddgMtd>	[0..1]	Text		402
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		402
	EncryptedElement <NcrptdElmt>	[1..*]			403
	Identification <Id>	[0..1]	Text		403
	Data <Data>	[1..1]			403
{Or	Binary <Binry>	[1..1]	Binary		403
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		403
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		404
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		404
	PrivateData <PrvtData>	[0..*]	(External Schema)		404
	NationalData <NtlData>	[0..*]	(External Schema)		404

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityTrailer <SctyTrlr>	[0..1]	±		404

16.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

16.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

16.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <Xchgld>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntnr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <Colltnld>	[0..1]	Text		1897
	BatchIdentification <Btchld>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyld>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyld>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

16.4.2 ReportedFraud <RptdFrđ>

Presence: [1..1]

Definition: Fraud reporting type information.

ReportedFraud <RptdFr> contains the following elements (see "ReportedFraud6" on page 1876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1876
	Action <Actn>	[1..1]	CodeSet		1877
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1878
	CompromisedCredential <CmprmsdCrdntl>	[0..*]	CodeSet		1878
	CardholderReportingDate <CrdhldrRptgDt>	[0..1]	Date		1881
	ConfirmationReportingDate <ConfRptgDt>	[0..1]	Date		1881
	SubmitterCaseReference <SubmtrCaseRef>	[0..1]	Text		1881
	MarketSegment <MktSgmt>	[0..1]	Text		1881
	CaseLocatorNumber <CaseLctrNb>	[0..1]	Text		1881
	CaseReference <CaseRef>	[0..1]	Text		1882
	Arrest <Arrst>	[0..1]	Indicator		1882
	InvestigationStatus <InvstgtnSts>	[0..1]	Text		1882

16.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

16.4.4 Acquirer <Acqrr>

Presence: [0..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "AcquirerData1" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

16.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

16.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

16.4.7 FraudulentTransactionData <FrdIntTxData>

Presence: [1..1]

Definition: Data pertaining to fraudulent reported transaction.

FraudulentTransactionData <FrdIntTxData> contains the following **FraudulentTransactionData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Authorisation <Authstn>	[0..1]	Indicator		390
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		390
	MessageReason <MsgRsn>	[0..*]	CodeSet		391
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		391
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		391
	DisputeCondition <DsptCond>	[0..1]	Text		391
	AgentDisputeBundleCaseReference <AgtDsptBndlCaseRef>	[0..1]	Text		391
	AgentDisputeCaseReference <AgtDsptCaseRef>	[0..1]	Text		392
	AcquirerDisputeCaseReference <AcqrrDsptCaseRef>	[0..1]	Text		392
	IssuerDisputeCaseReference <IssrDsptCaseRef>	[0..1]	Text		392
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		392

16.4.7.1 Authorisation <Authstn>

Presence: [0..1]

Definition: Indicates whether the transaction was authorised or not.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

16.4.7.2 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Indicates the entity which authorised the transaction (if relevant). P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["ATICAPartyType1Code" on page 2104](#)

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

16.4.7.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason for sending the message.

The ISO 8583 maintenance agency (MA) manages this Message reason code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

16.4.7.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max35Text" on page 2163

16.4.7.5 PresentmentCycle <PresntmntCycl>

Presence: [0..1]

Definition: Indicates the cycle of presentment or of the chargeback (1= first cycle for chargeback, 2= second cycle of presentment or chargeback, etc.).

Datatype: "Exact1NumericText" on page 2156

16.4.7.6 DisputeCondition <DsptCond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 2163

16.4.7.7 AgentDisputeBundleCaseReference <AgtDsptBndlCaseRef>

Presence: [0..1]

Definition: Bundle dispute case reference assigned by agent.

Datatype: "Max20Text" on page 2161

16.4.7.8 AgentDisputeCaseReference <AgtDsptCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by agent.

Datatype: "Max20Text" on page 2161

16.4.7.9 AcquirerDisputeCaseReference <AcqrrDsptCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by acquirer.

Datatype: "Max20Text" on page 2161

16.4.7.10 IssuerDisputeCaseReference <IssrDsptCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by issuer.

Datatype: "Max20Text" on page 2161

16.4.7.11 FraudulentMessage <FrdIntMsg>

Presence: [0..1]

Definition: Complete or partial details of the original message identified as fraudulent.

Datatype: "Max100KBinary" on page 2097

16.4.8 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "ReceiverData1" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

16.4.9 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "IssuerData1" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

16.4.10 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

16.4.11 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

16.4.12 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "[Max70Text](#)" on page 2167

16.4.13 CardNotReceivedDetails <CardNotRcvdDtls>

Presence: [0..1]

Definition: Details of a not-received card.

CardNotReceivedDetails <CardNotRcvdDtls> contains the following **CardNotReceivedData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateMailed <DtMld>	[1..1]	Date		394
	MailingAddress <MIngAdr>	[0..1]	±		394
	MailingAddressUnstructured <MIngAdrUstrd>	[0..1]	Text		395
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		395
	ValidFrom <VldFr>	[0..1]	Date		395
	CardSecurityCode <CardSctyCd>	[0..1]	Indicator		395
	CardSecurityCapability <CardSctyCpblty>	[0..*]	CodeSet		396

16.4.13.1 DateMailed <DtMld>

Presence: [1..1]

Definition: Date of card when mailed to the cardholder.

Datatype: "[ISODate](#)" on page 2151

16.4.13.2 MailingAddress <MIngAdr>

Presence: [0..1]

Definition: Address where card was mailed to.

MailingAddress <MIngAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

16.4.13.3 MailingAddressUnstructured <MIngAdrUstrd>

Presence: [0..1]

Definition: Unstructured mailing address where card was mailed to.

Datatype: "Max256Text" on page 2162

16.4.13.4 MailedFromPostalCode <MldFrPstlCd>

Presence: [1..1]

Definition: Postal code where the card was mailed from.

Datatype: "Max16Text" on page 2160

16.4.13.5 ValidFrom <VldFr>

Presence: [0..1]

Definition: Date of the beginning of validation of the card.

Datatype: "ISODate" on page 2151

16.4.13.6 CardSecurityCode <CardSctyCd>

Presence: [0..1]

Definition: Indicates whether card provides a Card Security Code.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

16.4.13.7 CardSecurityCapability <CardSctyCpblty>

Presence: [0..*]

Definition: Identifies the security capabilities of the card. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardSecurityCapability2Code" on page 2111

CodeName	Name	Definition
ICCD	ICC	Card contains an integrated circuit card.
MWOS	MagneticStripeWithoutSecurityCode	Card does not contain a card security code in the magstripe
MSWS	MagneticStripeWithSecurityCode	Card contains a card security code in the magstripe
OLPN	OffLinePIN	Off line PIN card

16.4.14 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information relevant for the settlement report.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

16.4.15 LocalData <LclData>

Presence: [0..1]

Definition: Contains text fields in the local language.

LocalData <LclData> contains the following elements (see "LocalData23" on page 1889 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1889
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1889
	MailingAddress <MlngAdr>	[0..1]	±		1890
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		1890
	MailedFromPostalCode <MldFrPstlCd>	[0..1]	Text		1890
	CardholderName <CrdhldrNm>	[0..1]	±		1890
	AdditionalInformation <AddtlInf>	[0..*]	(External Schema)		1891
	PrivateData <PrvtData>	[0..*]	(External Schema)		1891
	NationalData <NtlData>	[0..*]	(External Schema)		1891

16.4.16 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

16.4.17 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

16.4.18 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		398
	DomesticQualification <DmstQlfcfn>	[0..1]	Text		399

16.4.18.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

16.4.18.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

16.4.19 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

16.4.20 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

16.4.21 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

16.4.22 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		401
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		401
	DerivedInformation <DrvdInf>	[0..1]	Text		401
	Algorithm <Algo>	[0..1]	Text		402
	KeyLength <KeyLngth>	[0..1]	Text		402
	KeyProtection <KeyPrtc>	[0..1]	Text		402
	KeyIndex <KeyIndx>	[0..1]	Text		402
	PaddingMethod <PddgMtd>	[0..1]	Text		402
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		402
	EncryptedElement <NcrptdElmt>	[1..*]			403
	Identification <Id>	[0..1]	Text		403
	Data <Data>	[1..1]			403
{Or	Binary <Binry>	[1..1]	Binary		403
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		403
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		404
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		404

16.4.22.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

16.4.22.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

16.4.22.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

16.4.22.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

16.4.22.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

16.4.22.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

16.4.22.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

16.4.22.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

16.4.22.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

16.4.22.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		403
	Data <Data>	[1..1]			403
{Or	Binary <Binry>	[1..1]	Binary		403
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		403
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		404
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		404

16.4.22.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

16.4.22.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		403
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		403

16.4.22.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

16.4.22.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

16.4.22.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

16.4.22.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

16.4.23 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

16.4.24 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

16.4.25 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

17 cafr.002.001.04 FraudReportingResponseV04

17.1 MessageDefinition Functionality

A FraudReportingResponse message is sent by an agent (processor, agent) to an issuer or acquirer in response to a FraudReportingInitiation message.

Outline

The FraudReportingResponseV04 MessageDefinition is composed of 22 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Originator
Information related to the originator.
- C. Acquirer
Information related to the acquirer.
- D. Sender
Information related to the issuer
- E. Card
Card or payment token performing the transaction.
- F. FraudTransactionIdentification
Identification of the transaction reporting the fraud.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. Token
Details of payment token.
- L. Cardholder
Cardholder performing the card payment transaction.
- M. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. ProcessingResult

Outcome of processing of the fraud reporting.

R. OriginalResponseCode

Original Response code.

S. ProtectedData

Contains protected data and the attributes used to protect the data.

T. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

U. NationalData

Reserved to define data unique to the country applications.

V. SecurityTrailer

Trailer of the message containing a MAC

17.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdRptgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		409
	Originator <Orgtr>	[0..1]	±		410
	Acquirer <Acqrr>	[0..1]	±		410
	Sender <Sndr>	[0..1]	±		411
	Card <Card>	[0..1]	±		411
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		412
	Receiver <Rcvr>	[0..1]	±		412
	Issuer <Issr>	[0..1]	±		413
	Destination <Dstn>	[0..1]	±		413
	Programme <Prgrmm>	[0..1]	±		414
	Token <Tkn>	[0..1]	±		414
	Cardholder <Crdhldr>	[0..*]	±		415
	Jurisdiction <Jursdctn>	[0..1]			416
	DomesticIndicator <DmstInd>	[0..1]	Indicator		416
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		417
	SettlementService <SttlmSvc>	[0..1]	±		417
	AdditionalFee <AddtlFee>	[0..*]	±		417
	Reconciliation <Rcncltn>	[0..1]	±		418
	ProcessingResult <PrccgRslt>	[1..1]	±		418
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		419
	ProtectedData <PrctcdData>	[0..*]			419
	Control <Ctrl>	[0..1]	Text		420
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		420
	DerivedInformation <DrvdInf>	[0..1]	Text		420
	Algorithm <Algo>	[0..1]	Text		421
	KeyLength <KeyLngth>	[0..1]	Text		421
	KeyProtection <KeyPrtcn>	[0..1]	Text		421
	KeyIndex <KeyIndx>	[0..1]	Text		421
	PaddingMethod <PddgMtd>	[0..1]	Text		421

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		421
	EncryptedElement <NcrptdElmt>	[1..*]			422
	Identification <Id>	[0..1]	Text		422
	Data <Data>	[1..1]			422
{Or	Binary <Binry>	[1..1]	Binary		422
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		422
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		423
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		423
	PrivateData <PrvtData>	[0..*]	(External Schema)		423
	NationalData <NtlData>	[0..*]	(External Schema)		423
	SecurityTrailer <SctyTrlr>	[0..1]	±		423

17.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

17.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

17.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

17.4.2 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

17.4.3 Acquirer <Acqrr>

Presence: [0..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

17.4.4 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the issuer

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

17.4.5 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData17](#)" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrtctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

17.4.6 FraudTransactionIdentification <FrdTxld>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "[Max70Text](#)" on page 2167

17.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

17.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

17.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

17.4.10 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

17.4.11 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

17.4.12 Cardholder <Crhdldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

17.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		416
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		417

17.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

17.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

17.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

17.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

17.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

17.4.17 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the fraud reporting.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

17.4.18 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

17.4.19 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		420
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		420
	DerivedInformation <DrvdInf>	[0..1]	Text		420
	Algorithm <Algo>	[0..1]	Text		421
	KeyLength <KeyLngth>	[0..1]	Text		421
	KeyProtection <KeyPrtc>	[0..1]	Text		421
	KeyIndex <KeyIndx>	[0..1]	Text		421
	PaddingMethod <PddgMtd>	[0..1]	Text		421
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		421
	EncryptedElement <NcrptdElmt>	[1..*]			422
	Identification <Id>	[0..1]	Text		422
	Data <Data>	[1..1]			422
{Or	Binary <Binry>	[1..1]	Binary		422
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		422
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		423
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		423

17.4.19.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

17.4.19.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

17.4.19.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

17.4.19.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

17.4.19.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

17.4.19.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

17.4.19.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

17.4.19.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

17.4.19.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

17.4.19.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		422
	Data <Data>	[1..1]			422
{Or	Binary <Binry>	[1..1]	Binary		422
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		422
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		423
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		423

17.4.19.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

17.4.19.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		422
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		422

17.4.19.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

17.4.19.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

17.4.19.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

17.4.19.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

17.4.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

17.4.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

17.4.22 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

18 cafr.003.001.04 FraudDispositionInitiationV04

18.1 MessageDefinition Functionality

A FraudDispositionInitiation message is usually sent by an agent to a financial institution acting as an acquirer or as an issuer to report about the disposition of a confirmed fraudulent transaction.

Outline

The FraudDispositionInitiationV04 MessageDefinition is composed of 23 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. ReportedFraud
Fraud reporting type information.
- C. FraudDispositionStatus
Contains the disposition of the previously submitted fraud reporting message.
- D. Originator
Information related to the originator.
- E. Acquirer
Information related to the acquirer.
- F. Sender
Information related to the sender.
- G. Card
Card or payment token performing the transaction.
- H. FraudTransactionIdentification
Identification of the transaction reporting the fraud.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. AdditionalInformation
Additional information relevant for the settlement report.

-
- N. Token
 - Details of payment token.
 - O. Cardholder
 - Cardholder performing the card payment transaction.
 - P. Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
 - Q. SettlementService
 - Type of settlement service for specific services requiring settlement.
 - R. AdditionalFee
 - Fees not included in the transaction amount.
 - S. Reconciliation
 - Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
 - T. ProtectedData
 - Contains protected data and the attributes used to protect the data.
 - U. PrivateData
 - Reserved for private data. The use of this data element is determined by bilateral agreement.
 - V. NationalData
 - Reserved to define data unique to the country applications.
 - W. SecurityTrailer
 - Trailer of the message containing a MAC

18.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdDspstnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		428
	ReportedFraud <RptdFrd>	[1..1]	±		429
	FraudDispositionStatus <FrdDspstnSts>	[1..1]			429
	ActionTaken <ActnTaken>	[1..1]	CodeSet		430
	ErrorData <ErrData>	[0..*]	Text		430
	WarningData <WrngData>	[0..*]	Text		430
	Originator <Orgtr>	[0..1]	±		430
	Acquirer <Acqrr>	[1..1]	±		431
	Sender <Sndr>	[0..1]	±		431
	Card <Card>	[0..1]	±		432
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		433
	Receiver <Rcvr>	[0..1]	±		433
	Issuer <Issr>	[0..1]	±		434
	Destination <Dstn>	[0..1]	±		434
	Programme <Prgrmm>	[0..1]	±		435
	AdditionalInformation <AddtlInf>	[0..*]	(External Schema)		435
	Token <Tkn>	[0..1]	±		435
	Cardholder <Crhdldr>	[0..*]	±		436
	Jurisdiction <Jursdctn>	[0..1]			437
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		437
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		438
	SettlementService <SttlmSvc>	[0..1]	±		438
	AdditionalFee <AddtlFee>	[0..*]	±		438
	Reconciliation <Rcncltn>	[0..1]	±		439
	ProtectedData <PrtctdData>	[0..*]			439
	Control <Ctrl>	[0..1]	Text		440
	KeySetIdentifier <KeySetldr>	[0..1]	Text		440
	DerivedInformation <DrvdInf>	[0..1]	Text		440
	Algorithm <Algo>	[0..1]	Text		441

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngth>	[0..1]	Text		441
	KeyProtection <KeyPrtc>	[0..1]	Text		441
	KeyIndex <KeyIndx>	[0..1]	Text		441
	PaddingMethod <PddgMtd>	[0..1]	Text		441
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		441
	EncryptedElement <NcrptdElmt>	[1..*]			442
	Identification <Id>	[0..1]	Text		442
	Data <Data>	[1..1]			442
{Or	Binary <Binry>	[1..1]	Binary		442
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		442
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		443
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		443
	PrivateData <PrvtData>	[0..*]	(External Schema)		443
	NationalData <NtlData>	[0..*]	(External Schema)		443
	SecurityTrailer <SctyTrlr>	[0..1]	±		443

18.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

18.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

18.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

18.4.2 ReportedFraud <RptdFrd>

Presence: [1..1]

Definition: Fraud reporting type information.

ReportedFraud <RptdFrd> contains the following elements (see "ReportedFraud7" on page 1874 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1874
	Action <Actn>	[1..1]	CodeSet		1875
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1875
	SubmitterCaseReference <SubmtrCaseRef>	[0..1]	Text		1876
	CaseReference <CaseRef>	[0..1]	Text		1876

18.4.3 FraudDispositionStatus <FrdDspstnSts>

Presence: [1..1]

Definition: Contains the disposition of the previously submitted fraud reporting message.

FraudDispositionStatus <FrdDspstnSts> contains the following **FraudDispositionStatus3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionTaken <ActnTaken>	[1..1]	CodeSet		430
	ErrorData <ErrData>	[0..*]	Text		430
	WarningData <WrngData>	[0..*]	Text		430

18.4.3.1 ActionTaken <ActnTaken>

Presence: [1..1]

Definition: Indicates the action taken as a disposition of the previously fraud report message.

Datatype: "ActionTaken2Code" on page 2098

CodeName	Name	Definition
ACCP	Accepted	Reported fraud was accepted
RJCT	Rejected	Reported fraud was rejected.
WARN	Warning	Reported fraud was accepted with warnings.

18.4.3.2 ErrorData <ErrData>

Presence: [0..*]

Definition: Contains errors found in the submitted fraud report message.

Datatype: "Max256Text" on page 2162

18.4.3.3 WarningData <WrngData>

Presence: [0..*]

Definition: Contains warnings found in the submitted fraud report message.

Datatype: "Max256Text" on page 2162

18.4.4 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

18.4.5 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

18.4.6 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

18.4.7 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData17](#)" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrtctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlfldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

18.4.8 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "[Max70Text](#)" on page 2167

18.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

18.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

18.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

18.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

18.4.13 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the settlement report.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

18.4.14 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

18.4.15 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

18.4.16 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		437
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		438

18.4.16.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

18.4.16.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

18.4.17 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

18.4.18 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

18.4.19 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

18.4.20 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		440
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		440
	DerivedInformation <DrvdInf>	[0..1]	Text		440
	Algorithm <Algo>	[0..1]	Text		441
	KeyLength <KeyLngth>	[0..1]	Text		441
	KeyProtection <KeyPrtc>	[0..1]	Text		441
	KeyIndex <KeyIndx>	[0..1]	Text		441
	PaddingMethod <PddgMtd>	[0..1]	Text		441
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		441
	EncryptedElement <NcrptdElmt>	[1..*]			442
	Identification <Id>	[0..1]	Text		442
	Data <Data>	[1..1]			442
{Or	Binary <Binry>	[1..1]	Binary		442
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		442
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		443
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		443

18.4.20.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

18.4.20.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

18.4.20.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

18.4.20.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

18.4.20.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

18.4.20.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

18.4.20.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

18.4.20.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

18.4.20.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

18.4.20.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		442
	Data <Data>	[1..1]			442
{Or	Binary <Binry>	[1..1]	Binary		442
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		442
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		443
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		443

18.4.20.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

18.4.20.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		442
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		442

18.4.20.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

18.4.20.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

18.4.20.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

18.4.20.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

18.4.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

18.4.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

18.4.23 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstrVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

19 cafr.004.001.04 FraudDispositionResponseV04

19.1 MessageDefinition Functionality

A FraudDispositionResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a FraudDispositionInitiation message.

Outline

The FraudDispositionResponseV04 MessageDefinition is composed of 22 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Originator
Information related to the originator.
- C. Acquirer
Information related to the acquirer.
- D. Sender
Information related to the sender.
- E. Card
Card or payment token performing the transaction.
- F. FraudTransactionIdentification
Identification of the transaction reporting the fraud.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. Token
Details of payment token.
- L. Cardholder
Cardholder performing the card payment transaction.
- M. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. ProcessingResult

Outcome of processing of the fraud reporting.

R. OriginalResponseCode

Original Response code.

S. ProtectedData

Contains protected data and the attributes used to protect the data.

T. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

U. NationalData

Reserved to define data unique to the country applications.

V. SecurityTrailer

Trailer of the message containing a MAC

19.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdDspstnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		448
	Originator <Orgtr>	[0..1]	±		449
	Acquirer <Acqrr>	[0..1]	±		449
	Sender <Sndr>	[0..1]	±		450
	Card <Card>	[0..1]	±		450
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		451
	Receiver <Rcvr>	[0..1]	±		451
	Issuer <Issr>	[0..1]	±		452
	Destination <Dstin>	[0..1]	±		452
	Programme <Prgrmm>	[0..1]	±		453
	Token <Tkn>	[0..1]	±		453
	Cardholder <Crdhldr>	[0..*]	±		454
	Jurisdiction <Jursdctn>	[0..1]			455
	DomesticIndicator <DmstInd>	[0..1]	Indicator		455
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		456
	SettlementService <SttlmSvc>	[0..1]	±		456
	AdditionalFee <AddtlFee>	[0..*]	±		456
	Reconciliation <Rcncltn>	[0..1]	±		457
	ProcessingResult <PrccgRslt>	[1..1]	±		457
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		458
	ProtectedData <PrctcdData>	[0..*]			458
	Control <Ctrl>	[0..1]	Text		459
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		459
	DerivedInformation <DrvdInf>	[0..1]	Text		459
	Algorithm <Algo>	[0..1]	Text		460
	KeyLength <KeyLngth>	[0..1]	Text		460
	KeyProtection <KeyPrtcn>	[0..1]	Text		460
	KeyIndex <KeyIndx>	[0..1]	Text		460
	PaddingMethod <PddgMtd>	[0..1]	Text		460

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		460
	EncryptedElement <NcrptdElmt>	[1..*]			461
	Identification <Id>	[0..1]	Text		461
	Data <Data>	[1..1]			461
{Or	Binary <Binry>	[1..1]	Binary		461
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		461
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		462
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		462
	PrivateData <PrvtData>	[0..*]	(External Schema)		462
	NationalData <NtlData>	[0..*]	(External Schema)		462
	SecurityTrailer <SctyTrlr>	[0..1]	±		462

19.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

19.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

19.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

19.4.2 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

19.4.3 Acquirer <Acqrr>

Presence: [0..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

19.4.4 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

19.4.5 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData17](#)" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrtctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlflidr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

19.4.6 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "[Max70Text](#)" on page 2167

19.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

19.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

19.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

19.4.10 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

19.4.11 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

19.4.12 Cardholder <Crhdldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

19.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		455
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		456

19.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

19.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

19.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

19.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

19.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

19.4.17 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the fraud reporting.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

19.4.18 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

19.4.19 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		459
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		459
	DerivedInformation <DrvdInf>	[0..1]	Text		459
	Algorithm <Algo>	[0..1]	Text		460
	KeyLength <KeyLngth>	[0..1]	Text		460
	KeyProtection <KeyPrtc>	[0..1]	Text		460
	KeyIndex <KeyIndx>	[0..1]	Text		460
	PaddingMethod <PddgMtd>	[0..1]	Text		460
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		460
	EncryptedElement <NcrptdElmt>	[1..*]			461
	Identification <Id>	[0..1]	Text		461
	Data <Data>	[1..1]			461
{Or	Binary <Binry>	[1..1]	Binary		461
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		461
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		462
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		462

19.4.19.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

19.4.19.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

19.4.19.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

19.4.19.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

19.4.19.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

19.4.19.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

19.4.19.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

19.4.19.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

19.4.19.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

19.4.19.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		461
	Data <Data>	[1..1]			461
{Or	Binary <Binry>	[1..1]	Binary		461
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		461
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		462
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		462

19.4.19.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

19.4.19.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		461
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		461

19.4.19.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

19.4.19.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

19.4.19.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

19.4.19.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

19.4.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

19.4.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

19.4.22 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

20 **cain.001.001.05** **AuthorisationInitiationV05**

20.1 **MessageDefinition Functionality**

AuthorisationInitiation message is sent by an acquirer or an agent to an issuer to request approval of a card transaction by the issuer or to inform the issuer about the completion of the authorisation. It can also be sent by an issuer to an acquirer or agent to advise about the result of an authorisation already performed.

Outline

The AuthorisationInitiationV05 MessageDefinition is composed of 55 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.

M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

P. TransactionAmounts

Amounts of the card transaction.

Q. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

R. Tax

Taxes applying to the good or item.

S. OriginalDataElements

Data elements contained in the original message.

T. Acceptor

Card acceptor performing the card transaction.

U. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions. such as payment facilitator, marketplace, utility payment provider, etc.

V. Terminal

Payment terminal or ATM performing the transaction.

W. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

X. Context

Contains or describes conditions and characteristics of the transaction.

Y. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Z. AuthenticationData

Contain information related to authentication.

A Payer

A. The party providing source of funds.

AB Payee

· The party receiving funds.

AC Token

- Details of payment token.

A CustomerDevice

- D. Identification of the customer device performing the transaction.

AE Wallet

- Container for tenders used by the customer to perform the payment transaction.

AF Cardholder

- Cardholder performing the card payment transaction.

A Customer

- G. Information about the customer.

A Verification

- H. Contain validation result and/or data to be validated.

AI. Risk

Context of risk associated with the transaction.

AJ. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

A Instalment

- K. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

AL RecurringPayment

- Detail information of the recurring payment.

A AccountBalance

- M. Balance of the account involved in the card transaction.

A AdditionalService

- N. Additional functions or services to be performed in conjunction with the transaction.

A FundsServices

- O. Financial services related to the account.

AP DepositDetails

- Contains ATM deposit details.

A Jurisdiction

- Q. Contains information that identifies or is specific to a transaction jurisdiction.

AR SettlementService

- Type of settlement service for specific services requiring settlement.

AS AdditionalFee

- Fees not included in the transaction amount.

AT Reconciliation

- Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A ProcessingResult

- U. Outcome of the processing of the authorisation.

A Benefits

- V. Contain benefit supporting data.

A Promotion

- W. Information about the promotion applied to the transaction.

A TransactionSpecificData

- X. Component contains data structures applicable to certain industries that require specific data within transaction messages.

A StrongCustomerAuthentication

- Y. EU PSD2 Strong Consumer Authentication data.

AZ ProtectedData

- Contains protected data and the attributes used to protect the data.

BA PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

BB NationalData

- Reserved to define data unique to the country applications.

BC SecurityTrailer

- Trailer of the message containing a MAC.

20.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AuthstnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		473
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		473
	Originator <Orgtr>	[0..1]	±		474
	Acquirer <Acqrr>	[1..1]	±		475
	Sender <Sndr>	[0..1]	±		475
	Card <Card>	[0..1]	±		475
	AccountFrom <AcctFr>	[0..1]	±		476
	AccountTo <AcctTo>	[0..1]	±		477
	Receiver <Rcvr>	[0..1]	±		477
	Issuer <Issr>	[0..1]	±		477
	Destination <Dstn>	[0..1]	±		478
	Programme <Prgrmm>	[0..1]	±		478
	TransactionIdentification <TxId>	[1..1]	±		479
	ConversionDateTime <ConvstDtTm>	[0..1]			480
	Date <Dt>	[1..1]	Date		481
	Time <Tm>	[0..1]	Time		481
	ExchangeRate <XchgRate>	[0..*]			481
	Provider <Prvdr>	[0..1]	Text		482
	Identification <Id>	[0..1]	Text		482
	Date <Dt>	[0..1]	Date		482
	Time <Tm>	[0..1]	Time		482
	EndPoint <EndPt>	[0..1]	CodeSet		482
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	482
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	483
	Rate <Rate>	[0..1]	Rate		483
	RateType <RateTp>	[0..1]	CodeSet		483
	AgreementType <AgrmtTp>	[0..1]	CodeSet		483
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		484
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		484

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RateLockApplied <RateLckApld>	[0..1]	Indicator		484
	TransactionAmounts <TxAmts>	[1..1]	±		484
	AdditionalAmount <AddtlAmt>	[0..*]	±		485
	Tax <Tax>	[0..*]			485
	Type <Tp>	[1..1]	CodeSet		486
	Description <Desc>	[0..1]	Text		491
	Exemption <Xmptn>	[0..1]	Indicator		491
	ExemptReason <XmptRsn>	[0..1]	Text		492
	Amount <Amt>	[1..1]	Amount		492
	Rate <Rate>	[0..1]	Rate		492
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		492
	CreditDebit <CdtDbt>	[0..1]	CodeSet		492
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		492
	Acceptor <Accptr>	[0..1]	±		493
	Transactor <Txtr>	[0..*]	±		495
	Terminal <Termnl>	[0..1]	±		495
	POIComponent <POICmpnt>	[0..*]	±		497
	Context <Cntxt>	[1..1]	±		497
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		500
	AuthenticationData <AuthntcnData>	[0..1]			500
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		502
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		502
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		502
	MessageVersion <MsgVrsn>	[0..1]	Text		502
	XID <XID>	[0..1]	Binary		502
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		502
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		503
	MessageCategory <MsgCtgy>	[0..1]	Text		503
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		503
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		503
	DeviceInformation <DvcInf>	[0..1]	Text		503

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseAmount <PurchsAmt>	[0..1]	Text		503
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	503
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		504
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		504
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		504
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		504
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		504
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		504
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		505
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		505
	DeviceIdentification <DvcId>	[0..*]	Text		505
	DeviceType <DvcTp>	[0..*]	Text		505
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		505
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		505
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		505
	SessionIdentification <SsnId>	[0..1]	Text		505
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		506
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		506
	DataQuality <DataQlty>	[0..1]	Indicator		506
	Programme <Prgrmm>	[0..1]	Text		506
	PrivateData <PrvtData>	[0..*]	(External Schema)		506
	NationalData <NtlData>	[0..*]	(External Schema)		506
	Payer <Pyer>	[0..1]	±		507
	Payee <Pyee>	[0..1]	±		507
	Token <Tkn>	[0..1]	±		508
	CustomerDevice <CstmrDvc>	[0..1]	±		509
	Wallet <Wllt>	[0..1]	±		510
	Cardholder <Crhdlr>	[0..*]	±		511
	Customer <Cstmr>	[0..1]	±		512
	Verification <Vrfctn>	[0..*]	±		513
	Risk <Rsk>	[0..*]	±		513

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <SpclPrgrmmQlfc>	[0..*]	(External Schema)		513
	Instalment <Instlmt>	[0..1]	±		514
	RecurringPayment <RcrngPmt>	[0..1]			514
	Type <Tp>	[0..1]	Text		514
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		515
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		515
	Frequency <Frqcy>	[0..1]	Text		515
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		515
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		515
	ValidationIndicator <VldtnInd>	[0..1]	Text		515
	PrivateData <PrvtData>	[0..*]	(External Schema)		515
	NationalData <NtlData>	[0..*]	(External Schema)		516
	AccountBalance <AcctBal>	[0..*]	±		516
	AdditionalService <AddtlSvc>	[0..*]	±		516
	FundsServices <FndsSvcs>	[0..1]	±		516
	DepositDetails <DpstDtls>	[0..*]	±		517
	Jurisdiction <Jursdctn>	[0..1]			517
	DomesticIndicator <DmstInd>	[0..1]	Indicator		517
	DomesticQualification <DmstQlfc>	[0..1]	Text		518
	SettlementService <SttlmSvc>	[0..1]	±		518
	AdditionalFee <AddtlFee>	[0..*]	±		518
	Reconciliation <Rcncltn>	[0..1]	±		519
	ProcessingResult <PrcgRslt>	[0..1]	±		519
	Benefits <Bnfts>	[0..*]	±		520
	Promotion <Prmtn>	[0..*]	±		520
	TransactionSpecificData <TxSpfcData>	[0..1]	±		521
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			522
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		522
	Exemption <Xmptn>	[0..*]			523
	Type <Tp>	[1..1]	CodeSet		523
	Value <Val>	[1..1]	CodeSet		524

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		524
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		524
	Waiver <Wvr>	[0..1]	CodeSet		524
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		524
	ProtectedData <PrctcdData>	[0..*]			525
	Control <Ctrl>	[0..1]	Text		525
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		525
	DerivedInformation <DrvdInf>	[0..1]	Text		526
	Algorithm <Algo>	[0..1]	Text		526
	KeyLength <KeyLngth>	[0..1]	Text		526
	KeyProtection <KeyPrtcn>	[0..1]	Text		526
	KeyIndex <KeyIndx>	[0..1]	Text		526
	PaddingMethod <PddgMtd>	[0..1]	Text		526
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		527
	EncryptedElement <NcrptdElmt>	[1..*]			527
	Identification <Id>	[0..1]	Text		527
	Data <Data>	[1..1]			527
{Or	Binary <Binry>	[1..1]	Binary		527
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		528
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		528
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		528
	PrivateData <PrvtData>	[0..*]	(External Schema)		528
	NationalData <NtlData>	[0..*]	(External Schema)		528
	SecurityTrailer <SctyTrlr>	[0..1]	±		529

20.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

20.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

20.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

20.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblId>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

20.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

20.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

20.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

20.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData16](#)" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrtctdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

20.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

20.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

20.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

20.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "IssuerData1" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

20.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

20.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

20.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

20.4.14 ConversionDateTime <ConvDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvSDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		481
	Time <Tm>	[0..1]	Time		481

20.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

20.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

20.4.15 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		482
	Identification <Id>	[0..1]	Text		482
	Date <Dt>	[0..1]	Date		482
	Time <Tm>	[0..1]	Time		482
	EndPoint <EndPt>	[0..1]	CodeSet		482
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	482
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	483
	Rate <Rate>	[0..1]	Rate		483
	RateType <RateTp>	[0..1]	CodeSet		483
	AgreementType <AgrmtTp>	[0..1]	CodeSet		483
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		484
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		484
	RateLockApplied <RateLckApld>	[0..1]	Indicator		484

20.4.15.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

20.4.15.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

20.4.15.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

20.4.15.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

20.4.15.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

20.4.15.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

20.4.15.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

20.4.15.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

20.4.15.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

20.4.15.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateAgreementType2Code" on page 2115

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.

CodeName	Name	Definition
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

20.4.15.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.15.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.15.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.16 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts5](#)" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

20.4.17 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "[AdditionalAmounts5](#)" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

20.4.18 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		486
	Description <Desc>	[0..1]	Text		491
	Exemption <Xmptn>	[0..1]	Indicator		491
	ExemptReason <XmptRsn>	[0..1]	Text		492
	Amount <Amt>	[1..1]	Amount		492
	Rate <Rate>	[0..1]	Rate		492
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		492
	CreditDebit <CdtDbt>	[0..1]	CodeSet		492

20.4.18.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

20.4.18.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

20.4.18.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.18.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

20.4.18.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

20.4.18.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

20.4.18.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.18.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

20.4.19 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2017
	SenderIdentification <Sndrld>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <Txld>	[0..1]	±		2017
	ConversionDateTime <ConvstDtM>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

20.4.20 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

20.4.21 Transactor <Txtr>

Presence: [0..*]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions. such as payment facilitator, marketplace, utility payment provider, etc.

Transactor <Txtr> contains the following elements (see "[TransactorData1](#)" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

20.4.22 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

20.4.23 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

20.4.24 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context26" on page 1804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Atnddd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UatndddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgnstcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

20.4.25 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

20.4.26 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		502
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		502
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		502
	MessageVersion <MsgVrsn>	[0..1]	Text		502
	XID <XID>	[0..1]	Binary		502
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		502
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		503
	MessageCategory <MsgCtgy>	[0..1]	Text		503
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		503
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		503
	DeviceInformation <DvcInf>	[0..1]	Text		503
	PurchaseAmount <PurchsAmt>	[0..1]	Text		503
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	503
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		504
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		504
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		504
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		504
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		504
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		504
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		505
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		505
	DeviceIdentification <DvcId>	[0..*]	Text		505
	DeviceType <DvcTp>	[0..*]	Text		505
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		505
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		505
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		505
	SessionIdentification <SsnId>	[0..1]	Text		505
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		506
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		506
	DataQuality <DataQlty>	[0..1]	Indicator		506

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		506
	PrivateData <PrvtData>	[0..*]	(External Schema)		506
	NationalData <NtlData>	[0..*]	(External Schema)		506

20.4.26.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

20.4.26.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

20.4.26.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

20.4.26.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

20.4.26.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

20.4.26.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

20.4.26.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

20.4.26.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

20.4.26.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

20.4.26.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

20.4.26.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

20.4.26.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

20.4.26.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

20.4.26.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

20.4.26.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

20.4.26.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

20.4.26.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

20.4.26.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

20.4.26.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

20.4.26.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

20.4.26.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

20.4.26.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

20.4.26.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

20.4.26.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

20.4.26.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

20.4.26.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

20.4.26.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

20.4.26.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

20.4.26.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

20.4.26.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.26.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

20.4.26.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.26.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.27 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

20.4.28 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

20.4.29 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

20.4.30 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

20.4.31 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

20.4.32 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

20.4.33 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see "Customer4" on page 1965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

20.4.34 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <Rslt>	[0..1]	CodeSet		2094
	ResultDetails <RsltDtls>	[0..1]	(External Schema)		2094

20.4.35 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

20.4.36 SpecialProgrammeQualification <SpclPrgrmmQlfcctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.37 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "Instalment8" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

20.4.38 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		514
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		515
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		515
	Frequency <Frqcy>	[0..1]	Text		515
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		515
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		515
	ValidationIndicator <VldtnInd>	[0..1]	Text		515
	PrivateData <PrvtData>	[0..*]	(External Schema)		515
	NationalData <NtlData>	[0..*]	(External Schema)		516

20.4.38.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

20.4.38.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

20.4.38.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

20.4.38.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

20.4.38.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

20.4.38.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

20.4.38.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

20.4.38.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.38.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.39 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see ["AccountBalance4"](#) on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

20.4.40 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

20.4.41 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see "FundingService4" on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

20.4.42 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails4" on page 1866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1866
	Amount <Amt>	[0..1]	Amount		1866
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1867

20.4.43 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		517
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		518

20.4.43.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.43.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

20.4.44 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

20.4.45 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

20.4.46 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

20.4.47 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

20.4.48 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "BenefitSupportingData1" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrlld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

20.4.49 Promotion <Prmtn>

Presence: [0..*]

Definition: Information about the promotion applied to the transaction.

Promotion <Prmtn> contains the following elements (see "PromotionData1" on page 1578 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	CodeSet		1578
	Type <Tp>	[0..1]	Text		1579
	Description <Desc>	[0..1]	Text		1579
	Code <Cd>	[0..1]	Text		1579
	Start <Start>	[0..1]	DateTime		1579
	End <End>	[0..1]	DateTime		1579
	Amount <Amt>	[0..1]	Amount		1579
	RedemptionMethod <RedMtd>	[0..1]	Text		1580
	Channel <Chanl>	[0..1]	Text		1580
	Category <Ctgy>	[0..1]	Text		1580
	Stackable <Stckbl>	[0..1]	Indicator		1580
	TermsURL <TermsURL>	[0..1]	Text		1580

20.4.50 TransactionSpecificData <TxSpfcData>

Presence: [0..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

TransactionSpecificData <TxSpfcData> contains the following elements (see "TransactionSpecificData1" on page 1525 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Sale <Sale>	[0..1]	±		1526
	Fleet <Fleet>	[0..1]	±		1526
	Invoice <Invc>	[0..1]	±		1527
	TravelAgency <TrvlAgcy>	[0..*]	±		1529
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		1530
	VehicleRental <VhclRntl>	[0..*]	±		1532
	Lodging <Ldgg>	[0..*]	±		1534
	ShippingData <ShppgData>	[0..1]	±		1536
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		1537
	TemporaryServices <TempSvcs>	[0..*]	±		1538
	PrivateData <PrvtData>	[0..*]	(External Schema)		1540
	NationalData <NtlData>	[0..*]	(External Schema)		1540

20.4.51 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		522
	Exemption <Xmptn>	[0..*]			523
	Type <Tp>	[1..1]	CodeSet		523
	Value <Val>	[1..1]	CodeSet		524
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		524
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		524
	Waiver <Wvr>	[0..1]	CodeSet		524
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfmd>	[0..1]	Text		524

20.4.51.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

20.4.51.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		523
	Value <Val>	[1..1]	CodeSet		524
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		524

20.4.51.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: "Exemption2Code" on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

20.4.51.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

20.4.51.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

20.4.51.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

20.4.51.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

20.4.51.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

20.4.52 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		525
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		525
	DerivedInformation <DrvdInf>	[0..1]	Text		526
	Algorithm <Algo>	[0..1]	Text		526
	KeyLength <KeyLngth>	[0..1]	Text		526
	KeyProtection <KeyPrtc>	[0..1]	Text		526
	KeyIndex <KeyIndx>	[0..1]	Text		526
	PaddingMethod <PddgMtd>	[0..1]	Text		526
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		527
	EncryptedElement <NcrptdElmt>	[1..*]			527
	Identification <Id>	[0..1]	Text		527
	Data <Data>	[1..1]			527
{Or	Binary <Binry>	[1..1]	Binary		527
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		528
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		528
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		528

20.4.52.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

20.4.52.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

20.4.52.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

20.4.52.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

20.4.52.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

20.4.52.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

20.4.52.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

20.4.52.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

20.4.52.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

20.4.52.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		527
	Data <Data>	[1..1]			527
{Or	Binary <Binry>	[1..1]	Binary		527
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		528
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		528
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		528

20.4.52.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

20.4.52.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		527
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		528

20.4.52.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

20.4.52.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

20.4.52.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

20.4.52.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

20.4.53 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate'. If you can, don't worry if you can't, that is it MAY be validated or not.

20.4.54 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

20.4.55 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngh>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

21 **cain.002.001.05** **AuthorisationResponseV05**

21.1 **MessageDefinition Functionality**

The AuthorisationResponse message is sent by an issuer or an agent to an acquirer in response to an AuthorisationInitiation message.

Outline

The AuthorisationResponseV05 MessageDefinition is composed of 50 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. TransactionAmounts

Amounts of the card transaction.

P. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

Q. OriginalDataElements

Data elements contained in the original message.

R. Tax

Taxes applying to the good or item.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. Context

Contains or describes conditions and characteristics of the transaction.

W. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

X. AuthenticationData

Contain information related to authentication.

Y. Payer

The party providing source of funds.

Z. Payee

The party receiving funds.

A Token

A. Details of payment token.

AB Wallet

· Container for tenders used by the customer to perform the payment transaction.

AC Cardholder

· Cardholder performing the card payment transaction.

- A Verification
- D. Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.
- AE Risk
 - Context of risk associated with the transaction.
- AF SpecialProgrammeQualification
 - Data to qualify for incentive or other related programmes.
- A Instalment
- G. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- A RecurringPayment
- H. Detail information of the recurring payment.
- AI. AdditionalService
 - Additional functions or services to be performed in conjunction with the transaction.
- AJ. AccountBalance
 - Balance of the account involved in the card transaction.
- A FundsServices
- K. Financial services related to the account.
- AL Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- A SettlementService
- M. Type of settlement service for specific services requiring settlement.
- A AdditionalFee
- N. Fees not included in the transaction amount.
- A Reconciliation
- O. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AP ProcessingResult
 - Outcome of the processing of the authorisation.
- A TransactionSpecificData
- Q. Component contains data structures applicable to certain industries that require specific data within transaction messages.
- AR Benefits
 - Contain benefit supporting data.
- AS Promotion
 - Information about the promotion applied to the transaction.

AT StrongCustomerAuthentication

- EU PSD2 Strong Consumer Authentication data.

A ProtectedData

- U. Contains protected data and the attributes used to protect the data.

A PrivateData

- V. Reserved for private data. The use of this data element is determined by bilateral agreement.

A NationalData

- W. Reserved to define data unique to the country applications.

A SecurityTrailer

- X. Trailer of the message containing a MAC

21.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AuthstnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		538
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		539
	Originator <Orgtr>	[0..1]	±		539
	Acquirer <Acqrr>	[1..1]	±		540
	Sender <Sndr>	[0..1]	±		540
	Card <Card>	[0..1]	±		541
	AccountFrom <AcctFr>	[0..1]	±		542
	AccountTo <AcctTo>	[0..1]	±		543
	Receiver <Rcvr>	[0..1]	±		543
	Issuer <Issr>	[0..1]	±		544
	Destination <Dstn>	[0..1]	±		544
	Programme <Prgrmm>	[0..1]	±		544
	TransactionIdentification <TxId>	[1..1]	±		545
	ConversionDateTime <ConvstDtTm>	[0..1]			546
	Date <Dt>	[1..1]	Date		547
	Time <Tm>	[0..1]	Time		547
	TransactionAmounts <TxAmts>	[1..1]	±		547
	AdditionalAmount <AddtlAmt>	[0..*]	±		547
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		548
	Tax <Tax>	[0..*]			548
	Type <Tp>	[1..1]	CodeSet		549
	Description <Desc>	[0..1]	Text		554
	Exemption <Xmptn>	[0..1]	Indicator		554
	ExemptReason <XmptRsn>	[0..1]	Text		555
	Amount <Amt>	[1..1]	Amount		555
	Rate <Rate>	[0..1]	Rate		555
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		555
	CreditDebit <CdtDbt>	[0..1]	CodeSet		555
	Acceptor <Accptr>	[0..1]	±		556

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transactor <Txtr>	[0..1]	±		556
	Terminal <Termnl>	[0..1]	±		557
	Context <Cntxt>	[0..1]	±		557
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		559
	AuthenticationData <AuthntcnData>	[0..1]			559
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		561
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		561
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		561
	MessageVersion <MsgVrsn>	[0..1]	Text		561
	XID <XID>	[0..1]	Binary		561
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		561
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		562
	MessageCategory <MsgCtgy>	[0..1]	Text		562
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		562
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		562
	DeviceInformation <DvcInf>	[0..1]	Text		562
	PurchaseAmount <PurchsAmt>	[0..1]	Text		562
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	562
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		563
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		563
	IntermediaryTransactionIdentifier <IntrmyTxIdr>	[0..1]	Text		563
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxIdr>	[0..1]	Text		563
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		563
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		563
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		564
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		564
	DeviceIdentification <DvcId>	[0..*]	Text		564
	DeviceType <DvcTp>	[0..*]	Text		564
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		564
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		564
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		564

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionIdentification <SsnId>	[0..1]	Text		564
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		565
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		565
	DataQuality <DataQlty>	[0..1]	Indicator		565
	Programme <Prgrmm>	[0..1]	Text		565
	PrivateData <PrvtData>	[0..*]	(External Schema)		565
	NationalData <NtlData>	[0..*]	(External Schema)		565
	Payer <Pyer>	[0..1]	±		566
	Payee <Pyee>	[0..1]	±		566
	Token <Tkn>	[0..1]	±		567
	Wallet <Wllt>	[0..1]	±		568
	Cardholder <Crhdldr>	[0..*]	±		569
	Verification <Vrfctn>	[0..*]	±		570
	Risk <Rsk>	[0..*]	±		571
	SpecialProgrammeQualification <SpclPrgrmmQlftn>	[0..*]	(External Schema)		571
	Instalment <Instlmt>	[0..1]	±		571
	RecurringPayment <RcrngPmt>	[0..1]			571
	Type <Tp>	[0..1]	Text		572
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		572
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		572
	Frequency <Frqcy>	[0..1]	Text		572
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		572
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		573
	ValidationIndicator <VldtnInd>	[0..1]	Text		573
	PrivateData <PrvtData>	[0..*]	(External Schema)		573
	NationalData <NtlData>	[0..*]	(External Schema)		573
	AdditionalService <AddtlSvc>	[0..*]	±		573
	AccountBalance <AcctBal>	[0..*]	±		574
	FundsServices <FndsSvcs>	[0..1]	±		574
	Jurisdiction <Jursdctn>	[0..1]			575
	DomesticIndicator <DmstInd>	[0..1]	Indicator		575

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		575
	SettlementService <SttlmSvc>	[0..1]	±		575
	AdditionalFee <AddtlFee>	[0..*]	±		576
	Reconciliation <Rcncltn>	[0..1]	±		577
	ProcessingResult <PrccgRslt>	[1..1]	±		577
	TransactionSpecificData <TxSpfcData>	[0..1]	±		578
	Benefits <Bnfts>	[0..*]	±		579
	Promotion <Prmtn>	[0..*]	±		579
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			579
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		580
	Exemption <Xmptn>	[0..*]			580
	Type <Tp>	[1..1]	CodeSet		580
	Value <Val>	[1..1]	CodeSet		581
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		581
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		581
	Waiver <Wvr>	[0..1]	CodeSet		582
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		582
	ProtectedData <PrctcdData>	[0..*]			582
	Control <Ctrl>	[0..1]	Text		583
	KeySetIdentifier <KeySetldr>	[0..1]	Text		583
	DerivedInformation <DrvdInf>	[0..1]	Text		583
	Algorithm <Algo>	[0..1]	Text		584
	KeyLength <KeyLngth>	[0..1]	Text		584
	KeyProtection <KeyPrtcn>	[0..1]	Text		584
	KeyIndex <KeyIndx>	[0..1]	Text		584
	PaddingMethod <PddgMtd>	[0..1]	Text		584
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		584
	EncryptedElement <NcrptdElmt>	[1..*]			585
	Identification <Id>	[0..1]	Text		585
	Data <Data>	[1..1]			585
{Or	Binary <Binry>	[1..1]	Binary		585

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		585
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		586
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		586
	PrivateData <PrvtData>	[0..*]	(External Schema)		586
	NationalData <NtlData>	[0..*]	(External Schema)		586
	SecurityTrailer <SctyTrlr>	[0..1]	±		586

21.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

21.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

21.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <Xchgld>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <Colltnld>	[0..1]	Text		1897
	BatchIdentification <Btchld>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyld>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyld>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

21.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblld>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

21.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

21.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

21.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

21.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

21.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

21.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

21.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

21.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

21.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

21.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

21.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

21.4.14 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		547
	Time <Tm>	[0..1]	Time		547

21.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

21.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

21.4.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

21.4.16 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

21.4.17 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2017
	SenderIdentification <Sndrld>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <Txld>	[0..1]	±		2017
	ConversionDateTime <ConvstDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrddSttlmDt>	[0..1]	Date		2020

21.4.18 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		549
	Description <Desc>	[0..1]	Text		554
	Exemption <Xmptn>	[0..1]	Indicator		554
	ExemptReason <XmptRsn>	[0..1]	Text		555
	Amount <Amt>	[1..1]	Amount		555
	Rate <Rate>	[0..1]	Rate		555
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		555
	CreditDebit <CdtDbt>	[0..1]	CodeSet		555

21.4.18.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish

CodeName	Name	Definition
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.

CodeName	Name	Definition
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.

CodeName	Name	Definition
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non- essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities,

CodeName	Name	Definition
		school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.

CodeName	Name	Definition
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

21.4.18.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

21.4.18.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

21.4.18.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

21.4.18.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

21.4.18.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

21.4.18.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

21.4.18.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

21.4.19 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

21.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

21.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

21.4.22 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context27" on page 1750 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1752
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1753
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1753
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1753
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1753
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1753
	CardPresent <CardPres>	[0..1]	Indicator		1753
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1754
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1754
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1754
	Transit <Trnst>	[0..1]	Indicator		1754
	Attended <Attndd>	[0..1]	Indicator		1755
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1755
	ECommerce <EComrc>	[0..1]	Indicator		1755
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1755
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1756
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1756
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1756
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1756
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1756
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1757
	NoShow <NoShow>	[0..1]	Indicator		1757
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1757
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1757
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1757
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1758
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1758
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1758
	DateAnticipated <DtAntcptd>	[0..1]	Date		1758
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1758
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1759
	StorageLocation <StorgLctn>	[0..1]	Text		1759
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1760
	PrivateData <PrvtData>	[0..*]	(External Schema)		1760
	NationalData <NtlData>	[0..*]	(External Schema)		1760

21.4.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

21.4.24 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		561
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		561
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		561
	MessageVersion <MsgVrsn>	[0..1]	Text		561
	XID <XID>	[0..1]	Binary		561
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		561
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		562
	MessageCategory <MsgCtgy>	[0..1]	Text		562
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		562
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		562
	DeviceInformation <DvcInf>	[0..1]	Text		562
	PurchaseAmount <PurchsAmt>	[0..1]	Text		562
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	562
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		563
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		563
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		563
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		563
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		563
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		563
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		564
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		564
	DeviceIdentification <DvcId>	[0..*]	Text		564
	DeviceType <DvcTp>	[0..*]	Text		564
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		564
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		564
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		564
	SessionIdentification <SsnId>	[0..1]	Text		564
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		565
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		565
	DataQuality <DataQlty>	[0..1]	Indicator		565

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		565
	PrivateData <PrvtData>	[0..*]	(External Schema)		565
	NationalData <NtlData>	[0..*]	(External Schema)		565

21.4.24.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

21.4.24.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

21.4.24.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

21.4.24.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

21.4.24.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

21.4.24.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

21.4.24.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

21.4.24.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

21.4.24.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

21.4.24.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

21.4.24.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

21.4.24.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

21.4.24.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

21.4.24.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

21.4.24.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

21.4.24.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

21.4.24.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

21.4.24.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

21.4.24.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

21.4.24.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

21.4.24.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

21.4.24.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

21.4.24.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

21.4.24.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

21.4.24.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

21.4.24.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

21.4.24.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

21.4.24.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

21.4.24.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

21.4.24.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

21.4.24.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

21.4.24.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.24.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.25 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

21.4.26 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

21.4.27 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

21.4.28 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

21.4.29 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

21.4.30 Verification <Vrfctn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

21.4.31 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see ["RiskContext4"](#) on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

21.4.32 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.33 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see ["Instalment8"](#) on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

21.4.34 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		572
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		572
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		572
	Frequency <Frqcy>	[0..1]	Text		572
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		572
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		573
	ValidationIndicator <VldtnInd>	[0..1]	Text		573
	PrivateData <PrvtData>	[0..*]	(External Schema)		573
	NationalData <NtlData>	[0..*]	(External Schema)		573

21.4.34.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

21.4.34.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

21.4.34.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

21.4.34.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

21.4.34.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

21.4.34.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

21.4.34.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

21.4.34.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.34.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.35 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

21.4.36 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see ["AccountBalance4"](#) on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

21.4.37 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see ["FundingService4"](#) on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <ClmCrdntls>	[0..1]	Text		2059
	ClaimAssigner <ClmAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

21.4.38 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		575
	DomesticQualification <DmstQlfctn>	[0..1]	Text		575

21.4.38.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

21.4.38.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

21.4.39 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

21.4.40 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

21.4.41 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

21.4.42 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhlDrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhlDrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

21.4.43 TransactionSpecificData <TxSpfcData>

Presence: [0..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

TransactionSpecificData <TxSpfcData> contains the following elements (see "TransactionSpecificData2" on page 1581 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseRestriction <PurchsRstrctn>	[0..1]	Text		1581
	FleetLineItem <FleetLineitm>	[0..*]	±		1581
	PrivateData <PrvtData>	[0..*]	(External Schema)		1582
	NationalData <NtlData>	[0..*]	(External Schema)		1582

21.4.44 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "[BenefitSupportingData1](#)" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrlid>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

21.4.45 Promotion <Prmtn>

Presence: [0..*]

Definition: Information about the promotion applied to the transaction.

Promotion <Prmtn> contains the following elements (see "[PromotionData1](#)" on page 1578 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	CodeSet		1578
	Type <Tp>	[0..1]	Text		1579
	Description <Desc>	[0..1]	Text		1579
	Code <Cd>	[0..1]	Text		1579
	Start <Start>	[0..1]	DateTime		1579
	End <End>	[0..1]	DateTime		1579
	Amount <Amt>	[0..1]	Amount		1579
	RedemptionMethod <RedMtd>	[0..1]	Text		1580
	Channel <Chanl>	[0..1]	Text		1580
	Category <Ctgy>	[0..1]	Text		1580
	Stackable <Stckbl>	[0..1]	Indicator		1580
	TermsURL <TermsURL>	[0..1]	Text		1580

21.4.46 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		580
	Exemption <Xmptn>	[0..*]			580
	Type <Tp>	[1..1]	CodeSet		580
	Value <Val>	[1..1]	CodeSet		581
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		581
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		581
	Waiver <Wvr>	[0..1]	CodeSet		582
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		582

21.4.46.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

21.4.46.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		580
	Value <Val>	[1..1]	CodeSet		581
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		581

21.4.46.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: ["Exemption2Code"](#) on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

21.4.46.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

21.4.46.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

21.4.46.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

21.4.46.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

21.4.46.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

21.4.47 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		583
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		583
	DerivedInformation <DrvdInf>	[0..1]	Text		583
	Algorithm <Algo>	[0..1]	Text		584
	KeyLength <KeyLngth>	[0..1]	Text		584
	KeyProtection <KeyPrtc>	[0..1]	Text		584
	KeyIndex <KeyIndx>	[0..1]	Text		584
	PaddingMethod <PddgMtd>	[0..1]	Text		584
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		584
	EncryptedElement <NcrptdElmt>	[1..*]			585
	Identification <Id>	[0..1]	Text		585
	Data <Data>	[1..1]			585
{Or	Binary <Binry>	[1..1]	Binary		585
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		585
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		586
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		586

21.4.47.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

21.4.47.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

21.4.47.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

21.4.47.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

21.4.47.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

21.4.47.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

21.4.47.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

21.4.47.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

21.4.47.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

21.4.47.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		585
	Data <Data>	[1..1]			585
{Or	Binary <Binry>	[1..1]	Binary		585
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		585
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		586
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		586

21.4.47.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

21.4.47.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		585
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		585

21.4.47.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

21.4.47.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

21.4.47.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

21.4.47.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

21.4.48 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.49 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

21.4.50 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

22 cain.003.001.05 FinancialInitiationV05

22.1 MessageDefinition Functionality

The FinancialInitiation message is sent by an acquirer or an agent to an issuer to request approval of a card transaction or to inform about the completion of an authorisation. It allows the approved transaction amount to be billed or posted on the cardholder's account. It can also be sent by an issuer to an acquirer or agent to advise that an authorisation has been successfully completed for the final amount and requests the clearing of the transaction.

Outline

The FinancialInitiationV05 MessageDefinition is composed of 58 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Identifies the originator of the transaction.
- D. Acquirer
Identification of the acquirer.
- E. Sender
Party sending the message to another intermediary agent or to the final destination.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Party receiving the message from the origin or from an intermediary agent.
- J. Issuer
Information related to the issuer.
- K. Destination
Identifies the destination of the transaction.
- L. Programme

Programme, network, or brand processes the transaction.

M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

P. TransactionAmounts

Amounts of the card transaction.

Q. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

R. Tax

Taxes applying to the good or item.

S. OriginalDataElements

Data elements contained in the original message.

ISO 8583:1987 bit 90 and ISO 8583:1993/2003 bit 56

T. Acceptor

Card acceptor performing the card transaction.

U. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

V. Terminal

Payment terminal or ATM performing the transaction.

W. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

X. Context

Contains or describes conditions and characteristics of the transaction.

Y. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Z. AuthenticationData

Contain information related to authentication.

A Payer

A. The party providing source of funds.

AB Payee

- The party receiving funds.

AC Token

- Details of payment token.

A CustomerDevice

- D. Identification of the customer device performing the transaction.

AE Wallet

- Container for tenders used by the customer to perform the payment transaction.

AF Cardholder

- Cardholder performing the card payment transaction.

A Customer

- G. Information about the customer.

A Verification

- H. Contain validation result and/or data to be validated.

AI. Risk

Context of risk associated with the transaction.

AJ. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

A Instalment

- K. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

AL RecurringPayment

- Detail information of the recurring payment.

A AccountBalance

- M. Balance of the account involved in the card transaction.

A AdditionalService

- N. Additional functions or services to be performed in conjunction with the transaction.

A FundsServices

- O. Financial services related to the account.

AP DepositDetails

- Contains ATM deposit details.

A Jurisdiction

- Q. Contains information that identifies or is specific to a transaction jurisdiction.

AR SettlementService

- Type of settlement service for specific services requiring settlement.

AS AdditionalFee

- Fees not included in the transaction amount.

AT Reconciliation

- Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A DisputeData

- U. Information about the dispute.

A Documentation

- V. Supporting documentation information related to the dispute.

A ProcessingResult

- W. Outcome of the processing of the authorisation.

A OriginalTransaction

- X. Contains details of the original transaction.

A Benefits

- Y. Contain benefit supporting data.

AZ Promotion

- Information about the promotion applied to the transaction.

BA TransactionSpecificData

- Component contains data structures applicable to certain industries that require specific data within transaction messages.

BB StrongCustomerAuthentication

- EU PSD2 Strong Consumer Authentication data.

BC ProtectedData

- Contains protected data and the attributes used to protect the data.

BD PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

BE NationalData

- Reserved to define data unique to the country applications.

BF SecurityTrailer

- Trailer of the message containing a MAC.

22.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FinInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		597
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		597
	Originator <Orgtr>	[0..1]	±		598
	Acquirer <Acqrr>	[1..1]	±		599
	Sender <Sndr>	[0..1]	±		599
	Card <Card>	[0..1]	±		599
	AccountFrom <AcctFr>	[0..1]	±		600
	AccountTo <AcctTo>	[0..1]	±		601
	Receiver <Rcvr>	[0..1]	±		601
	Issuer <Issr>	[0..1]	±		602
	Destination <Dstn>	[0..1]	±		602
	Programme <Prgrmm>	[0..1]	±		602
	TransactionIdentification <TxId>	[1..1]	±		603
	ConversionDateTime <ConvDtTm>	[0..1]			604
	Date <Dt>	[1..1]	Date		605
	Time <Tm>	[0..1]	Time		605
	ExchangeRate <XchgRate>	[0..*]			605
	Provider <Prvdr>	[0..1]	Text		606
	Identification <Id>	[0..1]	Text		606
	Date <Dt>	[0..1]	Date		606
	Time <Tm>	[0..1]	Time		606
	EndPoint <EndPt>	[0..1]	CodeSet		606
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	606
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	607
	Rate <Rate>	[0..1]	Rate		607
	RateType <RateTp>	[0..1]	CodeSet		607
	AgreementType <AgrmtTp>	[0..1]	CodeSet		607
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		608
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		608

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RateLockApplied <RateLckApld>	[0..1]	Indicator		608
	TransactionAmounts <TxAmts>	[1..1]	±		608
	AdditionalAmount <AddtlAmt>	[0..*]	±		609
	Tax <Tax>	[0..*]			609
	Type <Tp>	[1..1]	CodeSet		610
	Description <Desc>	[0..1]	Text		615
	Exemption <Xmptn>	[0..1]	Indicator		615
	ExemptReason <XmptRsn>	[0..1]	Text		616
	Amount <Amt>	[1..1]	Amount		616
	Rate <Rate>	[0..1]	Rate		616
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		616
	CreditDebit <CdtDbt>	[0..1]	CodeSet		616
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		616
	Acceptor <Accptr>	[0..1]	±		617
	Transactor <Txtr>	[0..1]	±		619
	Terminal <Termnl>	[0..1]	±		619
	POIComponent <POICmpnt>	[0..*]	±		621
	Context <Cntxt>	[1..1]	±		621
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		624
	AuthenticationData <AuthntcnData>	[0..1]			624
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		626
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		626
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		626
	MessageVersion <MsgVrsn>	[0..1]	Text		626
	XID <XID>	[0..1]	Binary		626
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		626
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		627
	MessageCategory <MsgCtgy>	[0..1]	Text		627
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		627
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		627
	DeviceInformation <DvcInf>	[0..1]	Text		627

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseAmount <PurchsAmt>	[0..1]	Text		627
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	627
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		628
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		628
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		628
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		628
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		628
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		628
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		629
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		629
	DeviceIdentification <DvcId>	[0..*]	Text		629
	DeviceType <DvcTp>	[0..*]	Text		629
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		629
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		629
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		629
	SessionIdentification <SsnId>	[0..1]	Text		629
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		630
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		630
	DataQuality <DataQlty>	[0..1]	Indicator		630
	Programme <Prgrmm>	[0..1]	Text		630
	PrivateData <PrvtData>	[0..*]	(External Schema)		630
	NationalData <NtlData>	[0..*]	(External Schema)		630
	Payer <Pyer>	[0..1]	±		631
	Payee <Pyee>	[0..1]	±		631
	Token <Tkn>	[0..1]	±		632
	CustomerDevice <CstmrDvc>	[0..1]	±		633
	Wallet <Wllt>	[0..1]	±		634
	Cardholder <Crhdldr>	[0..1]	±		635
	Customer <Cstmr>	[0..1]	±		636
	Verification <Vrfctn>	[0..*]	±		637
	Risk <Rsk>	[0..*]	±		637

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <SpclPrgrmmQlfc<sup>n>	[0..*]	(External Schema)		637
	Instalment <Instlmt>	[0..1]	±		638
	RecurringPayment <RcrngPmt>	[0..1]			638
	Type <Tp>	[0..1]	Text		638
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		639
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		639
	Frequency <Frqcy>	[0..1]	Text		639
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		639
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		639
	ValidationIndicator <VldtnInd>	[0..1]	Text		639
	PrivateData <PrvtData>	[0..*]	(External Schema)		639
	NationalData <NtlData>	[0..*]	(External Schema)		640
	AccountBalance <AcctBal>	[0..*]	±		640
	AdditionalService <AddtlSvc>	[0..*]	±		640
	FundsServices <FndsSvcs>	[0..1]	±		640
	DepositDetails <DpstDtls>	[0..*]	±		641
	Jurisdiction <Jursdctn>	[0..1]			641
	DomesticIndicator <DmstInd>	[0..1]	Indicator		641
	DomesticQualification <DmstQlfc<sup>n>	[0..1]	Text		642
	SettlementService <SttlmSvc>	[0..1]	±		642
	AdditionalFee <AddtlFee>	[0..*]	±		642
	Reconciliation <Rcncltn>	[0..1]	±		643
	DisputeData <DsptData>	[0..*]	±		643
	Documentation <Dcmnttn>	[0..*]	±		644
	ProcessingResult <PrcgRslt>	[0..1]	±		644
	OriginalTransaction <OrgnlTx>	[0..1]	±		645
	Benefits <Bnfts>	[0..*]	±		647
	Promotion <Prmtn>	[0..*]	±		648
	TransactionSpecificData <TxSpfcData>	[0..1]	±		648
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			649
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		649

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Exemption <Xmptn>	[0..*]			650
	Type <Tp>	[1..1]	CodeSet		650
	Value <Val>	[1..1]	CodeSet		651
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		651
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		651
	Waiver <Wvr>	[0..1]	CodeSet		651
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		651
	ProtectedData <PrctcdData>	[0..*]			652
	Control <Ctrl>	[0..1]	Text		652
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		652
	DerivedInformation <DrvdInf>	[0..1]	Text		653
	Algorithm <Algo>	[0..1]	Text		653
	KeyLength <KeyLngth>	[0..1]	Text		653
	KeyProtection <KeyPrtcn>	[0..1]	Text		653
	KeyIndex <KeyIndx>	[0..1]	Text		653
	PaddingMethod <PddgMtd>	[0..1]	Text		653
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		654
	EncryptedElement <NcrptdElmt>	[1..*]			654
	Identification <Id>	[0..1]	Text		654
	Data <Data>	[1..1]			654
{Or	Binary <Binry>	[1..1]	Binary		654
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		655
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		655
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		655
	PrivateData <PrvtData>	[0..*]	(External Schema)		655
	NationalData <NtlData>	[0..*]	(External Schema)		655
	SecurityTrailer <SctyTrlr>	[0..1]	±		656

22.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

22.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

22.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

22.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblld>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

22.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

22.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

22.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

22.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prflldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

22.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

22.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

22.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

22.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

22.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

22.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

22.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification59" on page 2028 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[1..1]	Date		2029
	LocalTime <LclTm>	[0..1]	Time		2029
	TimeZone <TmZone>	[0..1]	Text		2029
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2029
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2030
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2030
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2030
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2030
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2030
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2030
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2030
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2031
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2031
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2031
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2031
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2031
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2031
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2031
	AssociatedData <AssoctdData>	[0..1]	Indicator		2031
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2032
	AssociatedDataDestination <AssoctdDataDstr>	[0..1]	Text		2032
	PrivateData <PrvtData>	[0..*]	(External Schema)		2032
	NationalData <NtlData>	[0..*]	(External Schema)		2032

22.4.14 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvSDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		605
	Time <Tm>	[0..1]	Time		605

22.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

22.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

22.4.15 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		606
	Identification <Id>	[0..1]	Text		606
	Date <Dt>	[0..1]	Date		606
	Time <Tm>	[0..1]	Time		606
	EndPoint <EndPt>	[0..1]	CodeSet		606
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	606
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	607
	Rate <Rate>	[0..1]	Rate		607
	RateType <RateTp>	[0..1]	CodeSet		607
	AgreementType <AgrmtTp>	[0..1]	CodeSet		607
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		608
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		608
	RateLockApplied <RateLckApld>	[0..1]	Indicator		608

22.4.15.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

22.4.15.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

22.4.15.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

22.4.15.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

22.4.15.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

22.4.15.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

22.4.15.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

22.4.15.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

22.4.15.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

22.4.15.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateAgreementType2Code" on page 2115

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.

CodeName	Name	Definition
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

22.4.15.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.15.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.15.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.16 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts5](#)" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

22.4.17 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "[AdditionalAmounts5](#)" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

22.4.18 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		610
	Description <Desc>	[0..1]	Text		615
	Exemption <Xmptn>	[0..1]	Indicator		615
	ExemptReason <XmptRsn>	[0..1]	Text		616
	Amount <Amt>	[1..1]	Amount		616
	Rate <Rate>	[0..1]	Rate		616
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		616
	CreditDebit <CdtDbt>	[0..1]	CodeSet		616

22.4.18.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

22.4.18.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

22.4.18.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.18.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

22.4.18.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

22.4.18.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

22.4.18.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.18.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

22.4.19 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

ISO 8583:1987 bit 90 and ISO 8583:1993/2003 bit 56

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

22.4.20 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

22.4.21 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

22.4.22 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

22.4.23 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

22.4.24 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context26" on page 1804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRcdPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Atnddd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UatndddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgnstcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

22.4.25 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

22.4.26 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		626
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		626
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		626
	MessageVersion <MsgVrsn>	[0..1]	Text		626
	XID <XID>	[0..1]	Binary		626
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		626
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		627
	MessageCategory <MsgCtgy>	[0..1]	Text		627
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		627
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		627
	DeviceInformation <DvcInf>	[0..1]	Text		627
	PurchaseAmount <PurchsAmt>	[0..1]	Text		627
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	627
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		628
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		628
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		628
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		628
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		628
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		628
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		629
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		629
	DeviceIdentification <DvcId>	[0..*]	Text		629
	DeviceType <DvcTp>	[0..*]	Text		629
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		629
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		629
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		629
	SessionIdentification <SsnId>	[0..1]	Text		629
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		630
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		630
	DataQuality <DataQlty>	[0..1]	Indicator		630

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		630
	PrivateData <PrvtData>	[0..*]	(External Schema)		630
	NationalData <NtlData>	[0..*]	(External Schema)		630

22.4.26.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

22.4.26.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

22.4.26.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

22.4.26.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

22.4.26.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

22.4.26.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

22.4.26.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

22.4.26.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

22.4.26.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

22.4.26.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

22.4.26.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

22.4.26.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

22.4.26.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

22.4.26.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

22.4.26.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

22.4.26.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

22.4.26.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

22.4.26.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

22.4.26.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

22.4.26.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

22.4.26.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

22.4.26.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

22.4.26.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

22.4.26.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

22.4.26.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

22.4.26.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

22.4.26.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

22.4.26.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

22.4.26.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

22.4.26.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.26.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

22.4.26.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.26.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.27 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

22.4.28 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

22.4.29 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

22.4.30 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

22.4.31 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

22.4.32 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

22.4.33 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see "Customer4" on page 1965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

22.4.34 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <Rslt>	[0..1]	CodeSet		2094
	ResultDetails <RsltDtls>	[0..1]	(External Schema)		2094

22.4.35 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

22.4.36 SpecialProgrammeQualification <SpclPrgrmmQlfcctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.37 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "Instalment8" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

22.4.38 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		638
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		639
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		639
	Frequency <Frqcy>	[0..1]	Text		639
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		639
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		639
	ValidationIndicator <VldtnInd>	[0..1]	Text		639
	PrivateData <PrvtData>	[0..*]	(External Schema)		639
	NationalData <NtlData>	[0..*]	(External Schema)		640

22.4.38.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

22.4.38.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

22.4.38.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

22.4.38.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

22.4.38.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

22.4.38.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

22.4.38.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

22.4.38.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.38.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.39 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see ["AccountBalance4"](#) on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

22.4.40 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

22.4.41 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see "FundingService4" on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

22.4.42 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails4" on page 1866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1866
	Amount <Amt>	[0..1]	Amount		1866
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1867

22.4.43 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		641
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		642

22.4.43.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.43.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

22.4.44 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

22.4.45 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

22.4.46 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

22.4.47 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData5](#)" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

22.4.48 Documentation <Dcmnttn>

Presence: [0..*]

Definition: Supporting documentation information related to the dispute.

Documentation <Dcmnttn> contains the following elements (see "[DisputeDocumentation2](#)" on page 1891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

22.4.49 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

22.4.50 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvvsDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstlInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

22.4.51 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "BenefitSupportingData1" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrlld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

22.4.52 Promotion <Prmtn>

Presence: [0..*]

Definition: Information about the promotion applied to the transaction.

Promotion <Prmtn> contains the following elements (see "PromotionData1" on page 1578 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	CodeSet		1578
	Type <Tp>	[0..1]	Text		1579
	Description <Desc>	[0..1]	Text		1579
	Code <Cd>	[0..1]	Text		1579
	Start <Start>	[0..1]	DateTime		1579
	End <End>	[0..1]	DateTime		1579
	Amount <Amt>	[0..1]	Amount		1579
	RedemptionMethod <RedMtd>	[0..1]	Text		1580
	Channel <Chanl>	[0..1]	Text		1580
	Category <Ctgy>	[0..1]	Text		1580
	Stackable <Stckbl>	[0..1]	Indicator		1580
	TermsURL <TermsURL>	[0..1]	Text		1580

22.4.53 TransactionSpecificData <TxSpcfcData>

Presence: [0..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

TransactionSpecificData <TxSpfcData> contains the following elements (see "TransactionSpecificData1" on page 1525 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Sale <Sale>	[0..1]	±		1526
	Fleet <Fleet>	[0..1]	±		1526
	Invoice <Invc>	[0..1]	±		1527
	TravelAgency <TrvlAgcy>	[0..*]	±		1529
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		1530
	VehicleRental <VhclRntl>	[0..*]	±		1532
	Lodging <Ldgg>	[0..*]	±		1534
	ShippingData <ShppgData>	[0..1]	±		1536
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		1537
	TemporaryServices <TempSvcs>	[0..*]	±		1538
	PrivateData <PrvtData>	[0..*]	(External Schema)		1540
	NationalData <NtlData>	[0..*]	(External Schema)		1540

22.4.54 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		649
	Exemption <Xmptn>	[0..*]			650
	Type <Tp>	[1..1]	CodeSet		650
	Value <Val>	[1..1]	CodeSet		651
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		651
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		651
	Waiver <Wvr>	[0..1]	CodeSet		651
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfmd>	[0..1]	Text		651

22.4.54.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

22.4.54.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		650
	Value <Val>	[1..1]	CodeSet		651
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		651

22.4.54.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: "Exemption2Code" on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

22.4.54.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

22.4.54.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

22.4.54.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

22.4.54.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

22.4.54.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

22.4.55 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		652
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		652
	DerivedInformation <DrvdInf>	[0..1]	Text		653
	Algorithm <Algo>	[0..1]	Text		653
	KeyLength <KeyLngth>	[0..1]	Text		653
	KeyProtection <KeyPrtcn>	[0..1]	Text		653
	KeyIndex <KeyIndx>	[0..1]	Text		653
	PaddingMethod <PddgMtd>	[0..1]	Text		653
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		654
	EncryptedElement <NcrptdElmt>	[1..*]			654
	Identification <Id>	[0..1]	Text		654
	Data <Data>	[1..1]			654
{Or	Binary <Binry>	[1..1]	Binary		654
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		655
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		655
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		655

22.4.55.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

22.4.55.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

22.4.55.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

22.4.55.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

22.4.55.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

22.4.55.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

22.4.55.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

22.4.55.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

22.4.55.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

22.4.55.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		654
	Data <Data>	[1..1]			654
{Or	Binary <Binry>	[1..1]	Binary		654
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		655
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		655
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		655

22.4.55.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

22.4.55.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		654
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		655

22.4.55.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

22.4.55.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

22.4.55.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

22.4.55.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

22.4.56 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate'. If you can, don't worry if you can't, that is it MAY be validated or not.

22.4.57 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

22.4.58 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

23 **cain.004.001.05** **FinancialResponseV05**

23.1 **MessageDefinition Functionality**

The FinancialResponse message is sent by an issuer or an agent to an acquirer in response to a FinancialInitiation message.

Outline

The FinancialResponseV05 MessageDefinition is composed of 52 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. TransactionAmounts

Amounts of the card transaction.

P. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

Q. Tax

Taxes applying to the good or item.

R. OriginalDataElements

Data elements contained in the original message.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. Context

Contains or describes conditions and characteristics of the transaction.

W. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

X. AuthenticationData

Contain information related to authentication.

Y. Payer

The party providing source of funds.

Z. Payee

The party receiving funds.

A Token

A. Details of payment token.

AB Wallet

· Container for tenders used by the customer to perform the payment transaction.

AC Cardholder

· Cardholder performing the card payment transaction.

- A Verification
- D. Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.
- AE Risk
 - Context of risk associated with the transaction.
- AF SpecialProgrammeQualification
 - Data to qualify for incentive or other related programmes.
- A Instalment
- G. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- A RecurringPayment
- H. Detail information of the recurring payment.
- AI. AdditionalService
 - Additional functions or services to be performed in conjunction with the transaction.
- AJ. AccountBalance
 - Balance of the account involved in the card transaction.
- A FundsServices
- K. Financial services related to the account.
- AL Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- A SettlementService
- M. Type of settlement service for specific services requiring settlement.
- A AdditionalFee
- N. Fees not included in the transaction amount.
- A Reconciliation
- O. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AP Benefits
 - Contain benefit supporting data.
- A Promotion
- Q. Information about the promotion applied to the transaction.
- AR DisputeData
 - Information about the dispute.
- AS Documentation
 - Additional information related to the dispute.
- AT ProcessingResult
 -

Outcome of the processing of the authorisation.

A AddendumData

U. Component contains data structures applicable to certain industries that require specific data within transaction messages.

A StrongCustomerAuthentication

V. EU PSD2 Strong Consumer Authentication data.

A ProtectedData

W. Contains protected data and the attributes used to protect the data.

A PrivateData

X. Reserved for private data. The use of this data element is determined by bilateral agreement.

A NationalData

Y. Reserved to define data unique to the country applications.

AZ SecurityTrailer

· Trailer of the message containing a MAC

23.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FinRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		665
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		666
	Originator <Orgtr>	[0..1]	±		667
	Acquirer <Acqrr>	[1..1]	±		668
	Sender <Sndr>	[0..1]	±		668
	Card <Card>	[0..1]	±		668
	AccountFrom <AcctFr>	[0..1]	±		669
	AccountTo <AcctTo>	[0..1]	±		670
	Receiver <Rcvr>	[0..1]	±		670
	Issuer <Issr>	[0..1]	±		671
	Destination <Dstin>	[0..1]	±		671
	Programme <Prgrmm>	[0..*]	±		671
	TransactionIdentification <TxId>	[1..1]	±		672
	ConversionDateTime <ConvstDtTm>	[0..1]			673
	Date <Dt>	[1..1]	Date		674
	Time <Tm>	[0..1]	Time		674
	TransactionAmounts <TxAmts>	[1..1]	±		674
	AdditionalAmount <AddtlAmt>	[0..*]	±		674
	Tax <Tax>	[0..*]			675
	Type <Tp>	[1..1]	CodeSet		675
	Description <Desc>	[0..1]	Text		681
	Exemption <Xmptn>	[0..1]	Indicator		681
	ExemptReason <XmptRsn>	[0..1]	Text		681
	Amount <Amt>	[1..1]	Amount		681
	Rate <Rate>	[0..1]	Rate		681
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		681
	CreditDebit <CdtDbt>	[0..1]	CodeSet		682
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		682
	Acceptor <Accptr>	[0..1]	±		682

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transactor <Txtr>	[0..1]	±		683
	Terminal <Termnl>	[0..1]	±		684
	Context <Cntxt>	[0..1]	±		684
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		686
	AuthenticationData <AuthntcnData>	[0..1]			686
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		688
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		688
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		688
	MessageVersion <MsgVrsn>	[0..1]	Text		688
	XID <XID>	[0..1]	Binary		688
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		688
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		689
	MessageCategory <MsgCtgy>	[0..1]	Text		689
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		689
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		689
	DeviceInformation <DvcInf>	[0..1]	Text		689
	PurchaseAmount <PurchsAmt>	[0..1]	Text		689
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	689
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		690
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		690
	IntermediaryTransactionIdentifier <IntrmyTxIdr>	[0..1]	Text		690
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxIdr>	[0..1]	Text		690
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		690
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		690
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		691
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		691
	DeviceIdentification <DvcId>	[0..*]	Text		691
	DeviceType <DvcTp>	[0..*]	Text		691
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		691
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		691
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		691

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionIdentification <SsnId>	[0..1]	Text		691
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		692
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		692
	DataQuality <DataQlty>	[0..1]	Indicator		692
	Programme <Prgrmm>	[0..1]	Text		692
	PrivateData <PrvtData>	[0..*]	(External Schema)		692
	NationalData <NtlData>	[0..*]	(External Schema)		692
	Payer <Pyer>	[0..1]	±		693
	Payee <Pyee>	[0..1]	±		693
	Token <Tkn>	[0..1]	±		694
	Wallet <Wllt>	[0..1]	±		695
	Cardholder <Crhdldr>	[0..*]	±		696
	Verification <Vrfctn>	[0..*]	±		697
	Risk <Rsk>	[0..*]	±		698
	SpecialProgrammeQualification <SpclPrgrmmQlftn>	[0..*]	(External Schema)		698
	Instalment <Instlmt>	[0..1]	±		698
	RecurringPayment <RcrngPmt>	[0..1]			698
	Type <Tp>	[0..1]	Text		699
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		699
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		699
	Frequency <Frqcy>	[0..1]	Text		699
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		699
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		700
	ValidationIndicator <VldtnInd>	[0..1]	Text		700
	PrivateData <PrvtData>	[0..*]	(External Schema)		700
	NationalData <NtlData>	[0..*]	(External Schema)		700
	AdditionalService <AddtlSvc>	[0..*]	±		700
	AccountBalance <AcctBal>	[0..*]	±		701
	FundsServices <FndsSvcs>	[0..1]	±		701
	Jurisdiction <Jursdctn>	[0..1]			702
	DomesticIndicator <DmstInd>	[0..1]	Indicator		702

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticQualification <DmstQlfcfn>	[0..1]	Text		702
	SettlementService <SttlmSvc>	[0..1]	±		702
	AdditionalFee <AddtlFee>	[0..*]	±		703
	Reconciliation <Rcncltn>	[0..1]	±		704
	Benefits <Bnfts>	[0..*]	±		704
	Promotion <Prmtn>	[0..*]	±		705
	DisputeData <DsptData>	[0..*]	±		705
	Documentation <Dcmnttn>	[0..*]	±		706
	ProcessingResult <PrcgRslt>	[1..1]	±		706
	AddendumData <AdddmData>	[0..1]	±		707
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			708
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		708
	Exemption <Xmptn>	[0..*]			708
	Type <Tp>	[1..1]	CodeSet		708
	Value <Val>	[1..1]	CodeSet		709
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		709
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		709
	Waiver <Wvr>	[0..1]	CodeSet		710
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		710
	ProtectedData <PrctcdData>	[0..*]			710
	Control <Ctrl>	[0..1]	Text		711
	KeySetIdentifier <KeySetldr>	[0..1]	Text		711
	DerivedInformation <Drvdlnf>	[0..1]	Text		711
	Algorithm <Algo>	[0..1]	Text		712
	KeyLength <KeyLngth>	[0..1]	Text		712
	KeyProtection <KeyPrtcfn>	[0..1]	Text		712
	KeyIndex <KeyIndx>	[0..1]	Text		712
	PaddingMethod <PddgMtd>	[0..1]	Text		712
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		712
	EncryptedElement <NcrptdElmt>	[1..*]			713
	Identification <Id>	[0..1]	Text		713

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[1..1]			713
{Or	Binary <Binry>	[1..1]	Binary		713
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		713
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		714
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		714
	PrivateData <PrvtData>	[0..*]	(External Schema)		714
	NationalData <NtlData>	[0..*]	(External Schema)		714
	SecurityTrailer <SctyTrlr>	[0..1]	±		714

23.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

23.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

23.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

23.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblld>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

23.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

23.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

23.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

23.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

23.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

23.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

23.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

23.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

23.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

23.4.12 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

23.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

23.4.14 ConversionDateTime <ConvDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		674
	Time <Tm>	[0..1]	Time		674

23.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

23.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

23.4.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

23.4.16 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

23.4.17 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		675
	Description <Desc>	[0..1]	Text		681
	Exemption <Xmptn>	[0..1]	Indicator		681
	ExemptReason <XmptRsn>	[0..1]	Text		681
	Amount <Amt>	[1..1]	Amount		681
	Rate <Rate>	[0..1]	Rate		681
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		681
	CreditDebit <CdtDbt>	[0..1]	CodeSet		682

23.4.17.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of

CodeName	Name	Definition
		conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.

CodeName	Name	Definition
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.

CodeName	Name	Definition
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed

CodeName	Name	Definition
		period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services

CodeName	Name	Definition
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather

CodeName	Name	Definition
		than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

23.4.17.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

23.4.17.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

23.4.17.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

23.4.17.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

23.4.17.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

23.4.17.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

23.4.17.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

23.4.18 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

23.4.19 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

23.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

23.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12" on page 1984](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

23.4.22 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context27" on page 1750 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1752
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1753
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1753
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1753
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1753
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1753
	CardPresent <CardPres>	[0..1]	Indicator		1753
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1754
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1754
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1754
	Transit <Trnst>	[0..1]	Indicator		1754
	Attended <Atndd>	[0..1]	Indicator		1755
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		1755
	ECommerce <EComrc>	[0..1]	Indicator		1755
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1755
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1756
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1756
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1756
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1756
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1756
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1757
	NoShow <NoShow>	[0..1]	Indicator		1757
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1757
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1757
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1757
	PartialApprovalSupported <PrtlApprvlSpptd>	[0..1]	Indicator		1758
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1758
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1758
	DateAnticipated <DtAntcptd>	[0..1]	Date		1758
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1758
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1759
	StorageLocation <StorgLctn>	[0..1]	Text		1759
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1760
	PrivateData <PrvtData>	[0..*]	(External Schema)		1760
	NationalData <NtlData>	[0..*]	(External Schema)		1760

23.4.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

23.4.24 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		688
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		688
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		688
	MessageVersion <MsgVrsn>	[0..1]	Text		688
	XID <XID>	[0..1]	Binary		688
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		688
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		689
	MessageCategory <MsgCtgy>	[0..1]	Text		689
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		689
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		689
	DeviceInformation <DvcInf>	[0..1]	Text		689
	PurchaseAmount <PurchsAmt>	[0..1]	Text		689
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	689
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		690
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		690
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		690
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		690
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		690
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		690
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		691
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		691
	DeviceIdentification <DvcId>	[0..*]	Text		691
	DeviceType <DvcTp>	[0..*]	Text		691
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		691
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		691
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		691
	SessionIdentification <SsnId>	[0..1]	Text		691
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		692
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		692
	DataQuality <DataQlty>	[0..1]	Indicator		692

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		692
	PrivateData <PrvtData>	[0..*]	(External Schema)		692
	NationalData <NtlData>	[0..*]	(External Schema)		692

23.4.24.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

23.4.24.2 CardholderCertificateSerialNumber <CrhdldrCertSrInb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

23.4.24.3 AcceptorCertificateSerialNumber <AccptrCertSrInb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

23.4.24.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

23.4.24.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

23.4.24.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

23.4.24.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

23.4.24.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

23.4.24.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

23.4.24.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

23.4.24.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

23.4.24.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

23.4.24.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

23.4.24.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

23.4.24.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

23.4.24.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

23.4.24.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

23.4.24.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

23.4.24.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

23.4.24.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

23.4.24.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

23.4.24.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

23.4.24.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

23.4.24.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

23.4.24.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

23.4.24.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

23.4.24.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

23.4.24.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

23.4.24.29 DeviceIdentificationVelocityCount <DvcIdVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

23.4.24.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

23.4.24.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

23.4.24.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.24.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.25 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

23.4.26 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

23.4.27 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

23.4.28 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

23.4.29 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

23.4.30 Verification <Vrfctn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

23.4.31 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see ["RiskContext4"](#) on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

23.4.32 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.33 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see ["Instalment8"](#) on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

23.4.34 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		699
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		699
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		699
	Frequency <Frqcy>	[0..1]	Text		699
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		699
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		700
	ValidationIndicator <VldtnInd>	[0..1]	Text		700
	PrivateData <PrvtData>	[0..*]	(External Schema)		700
	NationalData <NtlData>	[0..*]	(External Schema)		700

23.4.34.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

23.4.34.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

23.4.34.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

23.4.34.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

23.4.34.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

23.4.34.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

23.4.34.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

23.4.34.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.34.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.35 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

23.4.36 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see ["AccountBalance4"](#) on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

23.4.37 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see ["FundingService4"](#) on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <ClmCrdntls>	[0..1]	Text		2059
	ClaimAssigner <ClmAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

23.4.38 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		702
	DomesticQualification <DmstQlfctn>	[0..1]	Text		702

23.4.38.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

23.4.38.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

23.4.39 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

23.4.40 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

23.4.41 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

23.4.42 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "[BenefitSupportingData1](#)" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrlld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

23.4.43 Promotion <Prmtn>

Presence: [0..*]

Definition: Information about the promotion applied to the transaction.

Promotion <Prmtn> contains the following elements (see "[PromotionData1](#)" on page 1578 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	CodeSet		1578
	Type <Tp>	[0..1]	Text		1579
	Description <Desc>	[0..1]	Text		1579
	Code <Cd>	[0..1]	Text		1579
	Start <Start>	[0..1]	DateTime		1579
	End <End>	[0..1]	DateTime		1579
	Amount <Amt>	[0..1]	Amount		1579
	RedemptionMethod <RedMtd>	[0..1]	Text		1580
	Channel <Chanl>	[0..1]	Text		1580
	Category <Ctgy>	[0..1]	Text		1580
	Stackable <Stckbl>	[0..1]	Indicator		1580
	TermsURL <TermsURL>	[0..1]	Text		1580

23.4.44 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData5](#)" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

23.4.45 Documentation <Dcmnttn>

Presence: [0..*]

Definition: Additional information related to the dispute.

Documentation <Dcmnttn> contains the following elements (see "[DisputeDocumentation2](#)" on page 1891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

23.4.46 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNb <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

23.4.47 AddendumData <AdddmData>

Presence: [0..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

AddendumData <AdddmData> contains the following elements (see "TransactionSpecificData2" on page 1581 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseRestriction <PurchsRstrctn>	[0..1]	Text		1581
	FleetLineItem <FleetLineitm>	[0..*]	±		1581
	PrivateData <PrvtData>	[0..*]	(External Schema)		1582
	NationalData <NtlData>	[0..*]	(External Schema)		1582

23.4.48 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		708
	Exemption <Xmptn>	[0..*]			708
	Type <Tp>	[1..1]	CodeSet		708
	Value <Val>	[1..1]	CodeSet		709
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		709
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		709
	Waiver <Wvr>	[0..1]	CodeSet		710
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		710

23.4.48.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

23.4.48.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		708
	Value <Val>	[1..1]	CodeSet		709
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		709

23.4.48.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: "Exemption2Code" on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

23.4.48.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

23.4.48.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

23.4.48.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

23.4.48.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

23.4.48.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

23.4.49 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		711
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		711
	DerivedInformation <DrvdInf>	[0..1]	Text		711
	Algorithm <Algo>	[0..1]	Text		712
	KeyLength <KeyLngth>	[0..1]	Text		712
	KeyProtection <KeyPrtc>	[0..1]	Text		712
	KeyIndex <KeyIndx>	[0..1]	Text		712
	PaddingMethod <PddgMtd>	[0..1]	Text		712
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		712
	EncryptedElement <NcrptdElmt>	[1..*]			713
	Identification <Id>	[0..1]	Text		713
	Data <Data>	[1..1]			713
{Or	Binary <Binry>	[1..1]	Binary		713
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		713
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		714
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		714

23.4.49.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

23.4.49.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

23.4.49.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

23.4.49.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

23.4.49.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

23.4.49.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

23.4.49.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

23.4.49.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

23.4.49.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

23.4.49.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		713
	Data <Data>	[1..1]			713
{Or	Binary <Binry>	[1..1]	Binary		713
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		713
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		714
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		714

23.4.49.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

23.4.49.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		713
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		713

23.4.49.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

23.4.49.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

23.4.49.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

23.4.49.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

23.4.50 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.51 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

23.4.52 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

24 cain.005.001.05 ReversalInitiationV05

24.1 MessageDefinition Functionality

The ReversalInitiation message is sent by an acquirer, an originator or an agent to an issuer to request or advise of the reversal of an authorisation by the issuer. A reversal is a partial or complete nullification of the effects of a previous authorisation, financial presentment or financial accumulation presentment that cannot be processed as instructed (for example, is undeliverable and cancelled or the acquirer timed out waiting for a response).

Outline

The ReversalInitiationV05 MessageDefinition is composed of 48 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme

Programme, network, or brand processes the transaction.

M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. TransactionAmounts

Amounts of the card transaction.

P. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

Q. Tax

Taxes applying to the good or item.

R. OriginalDataElements

Data elements contained in the original message.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. Context

Context of the reversal transaction.

W. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

X. AuthenticationData

Contain information related to authentication.

Y. Payer

The party providing source of funds.

Z. Payee

The party receiving funds.

A. Token

A. Details of payment token.

AB CustomerDevice

Identification of the customer device performing the transaction.

AC Wallet

- Container for tenders used by the customer to perform the payment transaction.

A Cardholder

- D. Cardholder performing the card payment transaction.

AE Verification

- Contain validation result and/or data to be validated.

AF SpecialProgrammeQualification

- Data to qualify for incentive or other related programmes.

A Instalment

- G. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

A RecurringPayment

- H. Detail information of the recurring payment.

AI. AccountBalance

Balance of the account involved in the card transaction.

AJ. AdditionalService

Additional functions or services to be performed in conjunction with the transaction.

A FundsServices

- K. Financial services related to the account.

AL DepositDetails

- Contains ATM deposit details.

A Jurisdiction

- M. Contains information that identifies or is specific to a transaction jurisdiction.

A SettlementService

- N. Type of settlement service for specific services requiring settlement.

A AdditionalFee

- O. Fees not included in the transaction amount.

AP Reconciliation

- Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

A ProcessingResult

- Q. Outcome of the processing of the authorisation.

AR Benefits

- Contain benefit supporting data.

AS ProtectedData

- Contains protected data and the attributes used to protect the data.

AT PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

A NationalData

- U. Reserved to define data unique to the country applications.

A SecurityTrailer

- V. Trailer of the message containing a MAC.

24.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RvslInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		724
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		724
	Originator <Orgtr>	[0..1]	±		725
	Acquirer <Acqrr>	[1..1]	±		726
	Sender <Sndr>	[0..1]	±		726
	Card <Card>	[0..1]	±		726
	AccountFrom <AcctFr>	[0..1]	±		727
	AccountTo <AcctTo>	[0..1]	±		728
	Receiver <Rcvr>	[0..1]	±		728
	Issuer <Issr>	[0..1]	±		729
	Destination <Dstin>	[0..1]	±		729
	Programme <Prgrmm>	[0..1]	±		729
	TransactionIdentification <TxId>	[1..1]	±		730
	ConversionDateTime <ConvstDtTm>	[0..1]			731
	Date <Dt>	[1..1]	Date		732
	Time <Tm>	[0..1]	Time		732
	TransactionAmounts <TxAmts>	[1..1]	±		732
	AdditionalAmount <AddtlAmt>	[0..*]	±		732
	Tax <Tax>	[0..*]			733
	Type <Tp>	[1..1]	CodeSet		733
	Description <Desc>	[0..1]	Text		739
	Exemption <Xmptn>	[0..1]	Indicator		739
	ExemptReason <XmptRsn>	[0..1]	Text		739
	Amount <Amt>	[1..1]	Amount		739
	Rate <Rate>	[0..1]	Rate		739
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		739
	CreditDebit <CdtDbt>	[0..1]	CodeSet		740
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		740
	Acceptor <Accptr>	[0..1]	±		740

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transactor <Txtr>	[0..1]	±		743
	Terminal <Termnl>	[0..1]	±		743
	Context <Cntxt>	[0..1]	±		745
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		747
	AuthenticationData <AuthntcnData>	[0..1]			747
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		749
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		749
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		749
	MessageVersion <MsgVrsn>	[0..1]	Text		749
	XID <XID>	[0..1]	Binary		749
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		749
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		750
	MessageCategory <MsgCtgy>	[0..1]	Text		750
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		750
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		750
	DeviceInformation <DvcInf>	[0..1]	Text		750
	PurchaseAmount <PurchsAmt>	[0..1]	Text		750
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	750
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		751
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		751
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		751
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		751
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		751
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		751
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		752
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		752
	DeviceIdentification <DvcId>	[0..*]	Text		752
	DeviceType <DvcTp>	[0..*]	Text		752
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		752
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		752
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		752

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionIdentification <SsnId>	[0..1]	Text		752
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		753
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		753
	DataQuality <DataQlty>	[0..1]	Indicator		753
	Programme <Prgrmm>	[0..1]	Text		753
	PrivateData <PrvtData>	[0..*]	(External Schema)		753
	NationalData <NtlData>	[0..*]	(External Schema)		753
	Payer <Pyer>	[0..1]	±		754
	Payee <Pyee>	[0..1]	±		754
	Token <Tkn>	[0..1]	±		755
	CustomerDevice <CstmrDvc>	[0..1]	±		756
	Wallet <Wllt>	[0..1]	±		757
	Cardholder <Crhdldr>	[0..*]	±		758
	Verification <Vrfctn>	[0..*]	±		759
	SpecialProgrammeQualification <SpclPrgrmmQlftn>	[0..*]	(External Schema)		760
	Instalment <Instlmt>	[0..1]	±		760
	RecurringPayment <RcrngPmt>	[0..1]			761
	Type <Tp>	[0..1]	Text		761
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		761
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		761
	Frequency <Frqcy>	[0..1]	Text		761
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		762
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		762
	ValidationIndicator <VldtnInd>	[0..1]	Text		762
	PrivateData <PrvtData>	[0..*]	(External Schema)		762
	NationalData <NtlData>	[0..*]	(External Schema)		762
	AccountBalance <AcctBal>	[0..*]	±		762
	AdditionalService <AddtlSvc>	[0..*]	±		763
	FundsServices <FndsSvcs>	[0..1]	±		763
	DepositDetails <DpstDtls>	[0..*]	±		764
	Jurisdiction <Jursdctn>	[0..1]			764

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		764
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		764
	SettlementService <SttlmSvc>	[0..1]	±		764
	AdditionalFee <AddtlFee>	[0..*]	±		765
	Reconciliation <Rcncltn>	[0..1]	±		766
	ProcessingResult <PrcgRslt>	[0..1]	±		766
	Benefits <Bnfts>	[0..*]	±		767
	ProtectedData <PrtctdData>	[0..*]			767
	Control <Ctrl>	[0..1]	Text		768
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		768
	DerivedInformation <DrvdInf>	[0..1]	Text		768
	Algorithm <Algo>	[0..1]	Text		769
	KeyLength <KeyLngth>	[0..1]	Text		769
	KeyProtection <KeyPrtcn>	[0..1]	Text		769
	KeyIndex <KeyIndx>	[0..1]	Text		769
	PaddingMethod <PddgMtd>	[0..1]	Text		769
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		769
	EncryptedElement <NcrptdElmt>	[1..*]			770
	Identification <Id>	[0..1]	Text		770
	Data <Data>	[1..1]			770
{Or	Binary <Binry>	[1..1]	Binary		770
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		770
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		771
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		771
	PrivateData <PrvtData>	[0..*]	(External Schema)		771
	NationalData <NtlData>	[0..*]	(External Schema)		771
	SecurityTrailer <SctyTrlr>	[0..1]	±		771

24.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

24.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

24.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

24.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblld>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

24.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

24.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

24.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

24.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

24.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

24.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

24.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

24.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

24.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

24.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

24.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

24.4.14 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		732
	Time <Tm>	[0..1]	Time		732

24.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

24.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

24.4.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

24.4.16 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

24.4.17 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		733
	Description <Desc>	[0..1]	Text		739
	Exemption <Xmptn>	[0..1]	Indicator		739
	ExemptReason <XmptRsn>	[0..1]	Text		739
	Amount <Amt>	[1..1]	Amount		739
	Rate <Rate>	[0..1]	Rate		739
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		739
	CreditDebit <CdtDbt>	[0..1]	CodeSet		740

24.4.17.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of

CodeName	Name	Definition
		conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.

CodeName	Name	Definition
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.

CodeName	Name	Definition
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed

CodeName	Name	Definition
		period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services

CodeName	Name	Definition
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather

CodeName	Name	Definition
		than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

24.4.17.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

24.4.17.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

24.4.17.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

24.4.17.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

24.4.17.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

24.4.17.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

24.4.17.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

24.4.18 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

24.4.19 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

24.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

24.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCertfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCertfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

24.4.22 Context <Cntxt>

Presence: [0..1]

Definition: Context of the reversal transaction.

Context <Cntxt> contains the following elements (see "Context25" on page 1735 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1737
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1738
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1738
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1738
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		1738
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1738
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1738
	CardPresent <CardPres>	[0..1]	Indicator		1739
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1739
	CardholderActivated <CrhdldrActvtd>	[0..1]	Indicator		1739
	TransponderInitiated <TrnspondrInittd>	[0..1]	Indicator		1739
	Transit <Trnst>	[0..1]	Indicator		1740
	Attended <Attndd>	[0..1]	Indicator		1740
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		1740
	ECommerce <EComrc>	[0..1]	Indicator		1740
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1741
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1741
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1741
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1741
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1741
	NoShow <NoShow>	[0..1]	Indicator		1742
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1742
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1742
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1742
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1742
	DeferredDelivery <DfrdDlrvy>	[0..1]	Indicator		1743
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1743
	SplitPayment <Spltpmt>	[0..1]	Indicator		1743
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1744
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1744
	StorageLocation <StorgLctn>	[0..1]	Text		1745

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1745
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1745
	CaptureDate <CaptrDt>	[0..1]	Date		1745
	DateAnticipated <DtAntcptd>	[0..1]	Date		1745
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1745
	PrivateData <PrvtData>	[0..*]	(External Schema)		1746
	NationalData <NtlData>	[0..*]	(External Schema)		1746

24.4.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

24.4.24 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		749
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		749
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		749
	MessageVersion <MsgVrsn>	[0..1]	Text		749
	XID <XID>	[0..1]	Binary		749
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		749
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		750
	MessageCategory <MsgCtgy>	[0..1]	Text		750
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		750
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		750
	DeviceInformation <DvcInf>	[0..1]	Text		750
	PurchaseAmount <PurchsAmt>	[0..1]	Text		750
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	750
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		751
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		751
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		751
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		751
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		751
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		751
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		752
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		752
	DeviceIdentification <DvcId>	[0..*]	Text		752
	DeviceType <DvcTp>	[0..*]	Text		752
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		752
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		752
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		752
	SessionIdentification <SsnId>	[0..1]	Text		752
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		753
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		753
	DataQuality <DataQlty>	[0..1]	Indicator		753

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		753
	PrivateData <PrvtData>	[0..*]	(External Schema)		753
	NationalData <NtlData>	[0..*]	(External Schema)		753

24.4.24.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

24.4.24.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

24.4.24.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

24.4.24.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

24.4.24.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

24.4.24.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

24.4.24.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

24.4.24.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

24.4.24.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

24.4.24.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

24.4.24.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

24.4.24.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

24.4.24.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

24.4.24.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

24.4.24.15 AddressMatchIndicator <AdrmTchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

24.4.24.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

24.4.24.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

24.4.24.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

24.4.24.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

24.4.24.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

24.4.24.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

24.4.24.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

24.4.24.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

24.4.24.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

24.4.24.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

24.4.24.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

24.4.24.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

24.4.24.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

24.4.24.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

24.4.24.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

24.4.24.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

24.4.24.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.24.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.25 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

24.4.26 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

24.4.27 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

24.4.28 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

24.4.29 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

24.4.30 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptn>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

24.4.31 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <RsIt>	[0..1]	CodeSet		2094
	ResultDetails <RsItDtls>	[0..1]	(External Schema)		2094

24.4.32 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.33 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "Instalment8" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

24.4.34 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		761
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		761
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		761
	Frequency <Frqcy>	[0..1]	Text		761
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		762
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		762
	ValidationIndicator <VldtnInd>	[0..1]	Text		762
	PrivateData <PrvtData>	[0..*]	(External Schema)		762
	NationalData <NtlData>	[0..*]	(External Schema)		762

24.4.34.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

24.4.34.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

24.4.34.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

24.4.34.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

24.4.34.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

24.4.34.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

24.4.34.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

24.4.34.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be `·valid·` with respect to that definition, that is, `·validate·` if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.34.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be `·valid·` with respect to that definition, that is, `·validate·` if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.35 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see "[AccountBalance4](#)" on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

24.4.36 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "[AdditionalService3](#)" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

24.4.37 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see "[FundingService4](#)" on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <ClmCrdntls>	[0..1]	Text		2059
	ClaimAssigner <ClmAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

24.4.38 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "[DepositDetails4](#)" on page 1866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1866
	Amount <Amt>	[0..1]	Amount		1866
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1867

24.4.39 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		764
	DomesticQualification <DmstQlfctn>	[0..1]	Text		764

24.4.39.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

24.4.39.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "[Max35Text](#)" on page 2163

24.4.40 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

24.4.41 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

24.4.42 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

24.4.43 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

24.4.44 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "BenefitSupportingData1" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

24.4.45 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		768
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		768
	DerivedInformation <DrvdInf>	[0..1]	Text		768
	Algorithm <Algo>	[0..1]	Text		769
	KeyLength <KeyLngth>	[0..1]	Text		769
	KeyProtection <KeyPrtc>	[0..1]	Text		769
	KeyIndex <KeyIndx>	[0..1]	Text		769
	PaddingMethod <PddgMtd>	[0..1]	Text		769
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		769
	EncryptedElement <NcrptdElmt>	[1..*]			770
	Identification <Id>	[0..1]	Text		770
	Data <Data>	[1..1]			770
{Or	Binary <Binry>	[1..1]	Binary		770
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		770
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		771
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		771

24.4.45.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

24.4.45.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

24.4.45.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

24.4.45.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

24.4.45.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

24.4.45.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

24.4.45.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

24.4.45.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

24.4.45.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

24.4.45.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		770
	Data <Data>	[1..1]			770
{Or	Binary <Binry>	[1..1]	Binary		770
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		770
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		771
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		771

24.4.45.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

24.4.45.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		770
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		770

24.4.45.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

24.4.45.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

24.4.45.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

24.4.45.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

24.4.46 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.47 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

24.4.48 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

25 **cain.006.001.05** **ReversalResponseV05**

25.1 **MessageDefinition Functionality**

The ReversalResponse message is sent by an issuer or an agent to an acquirer in response to a ReversalInitiation message.

Outline

The ReversalResponseV05 MessageDefinition is composed of 43 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. TransactionAmounts

Amounts of the card transaction.

P. Tax

Taxes applying to the good or item.

Q. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

R. OriginalDataElements

Data elements contained in the original message.

S. Acceptor

Card acceptor performing the card transaction.

T. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

U. Terminal

Payment terminal or ATM performing the transaction.

V. Context

Context of the reversal transaction.

W. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

X. AuthenticationData

Contain information related to authentication.

Y. Payer

The party providing source of funds.

Z. Payee

The party receiving funds.

A. Token

A. Details of payment token.

AB Cardholder

· Cardholder performing the card payment transaction.

AC Verification

· Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

- A SpecialProgrammeQualification
- D. Data to qualify for incentive or other related programmes.
- AE Instalment
 - Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- AF RecurringPayment
 - Detail information of the recurring payment.
- A AdditionalService
- G. Additional functions or services to be performed in conjunction with the transaction.
- A FundsServices
- H. Financial services related to the account.
- AI. Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- AJ. SettlementService
 - Type of settlement service for specific services requiring settlement.
- A AdditionalFee
- K. Fees not included in the transaction amount.
- AL Reconciliation
 - Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- A ProcessingResult
- M. Outcome of the processing of the authorisation.
- A ProtectedData
- N. Contains protected data and the attributes used to protect the data.
- A PrivateData
- O. Reserved for private data. The use of this data element is determined by bilateral agreement.
- AP NationalData
 - Reserved to define data unique to the country applications.
- A SecurityTrailer
- Q. Trailer of the message containing a MAC

25.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RvslRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		779
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		780
	Originator <Orgtr>	[0..1]	±		781
	Acquirer <Acqrr>	[1..1]	±		782
	Sender <Sndr>	[0..1]	±		782
	Card <Card>	[0..1]	±		782
	AccountFrom <AcctFr>	[0..1]	±		783
	AccountTo <AcctTo>	[0..1]	±		784
	Receiver <Rcvr>	[0..1]	±		784
	Issuer <Issr>	[0..1]	±		785
	Destination <Dstin>	[0..1]	±		785
	Programme <Prgrmm>	[0..*]	±		785
	TransactionIdentification <TxId>	[1..1]	±		786
	ConversionDateTime <ConvstDtTm>	[0..1]			787
	Date <Dt>	[1..1]	Date		788
	Time <Tm>	[0..1]	Time		788
	TransactionAmounts <TxAmts>	[1..1]	±		788
	Tax <Tax>	[0..*]			788
	Type <Tp>	[1..1]	CodeSet		789
	Description <Desc>	[0..1]	Text		794
	Exemption <Xmptn>	[0..1]	Indicator		794
	ExemptReason <XmptRsn>	[0..1]	Text		795
	Amount <Amt>	[1..1]	Amount		795
	Rate <Rate>	[0..1]	Rate		795
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		795
	CreditDebit <CdtDbt>	[0..1]	CodeSet		795
	AdditionalAmount <AddtlAmt>	[0..*]	±		795
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		796
	Acceptor <Accptr>	[0..1]	±		796

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transactor <Txtr>	[0..1]	±		797
	Terminal <Termnl>	[0..1]	±		798
	Context <Cntxt>	[0..1]	±		798
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		798
	AuthenticationData <AuthntcnData>	[0..1]			799
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		801
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		801
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		801
	MessageVersion <MsgVrsn>	[0..1]	Text		801
	XID <XID>	[0..1]	Binary		801
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		801
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		802
	MessageCategory <MsgCtgy>	[0..1]	Text		802
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		802
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		802
	DeviceInformation <DvcInf>	[0..1]	Text		802
	PurchaseAmount <PurchsAmt>	[0..1]	Text		802
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	802
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		803
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		803
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		803
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		803
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		803
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		803
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		804
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		804
	DeviceIdentification <DvcId>	[0..*]	Text		804
	DeviceType <DvcTp>	[0..*]	Text		804
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		804
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		804
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		804

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionIdentification <SsnId>	[0..1]	Text		804
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		805
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		805
	DataQuality <DataQlty>	[0..1]	Indicator		805
	Programme <Prgrmm>	[0..1]	Text		805
	PrivateData <PrvtData>	[0..*]	(External Schema)		805
	NationalData <NtlData>	[0..*]	(External Schema)		805
	Payer <Pyer>	[0..1]	±		806
	Payee <Pyee>	[0..1]	±		806
	Token <Tkn>	[0..1]	±		807
	Cardholder <Crhdldr>	[0..*]	±		808
	Verification <Vrfctn>	[0..*]	±		809
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		810
	Instalment <Instlmt>	[0..1]	±		810
	RecurringPayment <RcrngPmt>	[0..1]			810
	Type <Tp>	[0..1]	Text		811
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		811
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		811
	Frequency <Frqcy>	[0..1]	Text		811
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		811
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		811
	ValidationIndicator <VldtnInd>	[0..1]	Text		811
	PrivateData <PrvtData>	[0..*]	(External Schema)		811
	NationalData <NtlData>	[0..*]	(External Schema)		812
	AdditionalService <AddtlSvc>	[0..*]	±		812
	FundsServices <FndsSvcs>	[0..1]	±		812
	Jurisdiction <Jursdctn>	[0..1]			813
	DomesticIndicator <DmstInd>	[0..1]	Indicator		813
	DomesticQualification <DmstQlfctn>	[0..1]	Text		813
	SettlementService <SttlmSvc>	[0..1]	±		814
	AdditionalFee <AddtlFee>	[0..*]	±		814

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Reconciliation <Rcncltn>	[0..1]	±		815
	ProcessingResult <PrcgRslt>	[0..1]	±		815
	ProtectedData <PrctcdData>	[0..*]			816
	Control <Ctrl>	[0..1]	Text		817
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		817
	DerivedInformation <DrvdInf>	[0..1]	Text		817
	Algorithm <Algo>	[0..1]	Text		818
	KeyLength <KeyLngth>	[0..1]	Text		818
	KeyProtection <KeyPrtcn>	[0..1]	Text		818
	KeyIndex <KeyIndx>	[0..1]	Text		818
	PaddingMethod <PddgMtd>	[0..1]	Text		818
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		818
	EncryptedElement <NcrptdElmt>	[1..*]			819
	Identification <Id>	[0..1]	Text		819
	Data <Data>	[1..1]			819
{Or	Binary <Binry>	[1..1]	Binary		819
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		819
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		820
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		820
	PrivateData <PrvtData>	[0..*]	(External Schema)		820
	NationalData <NtlData>	[0..*]	(External Schema)		820
	SecurityTrailer <SctyTrlr>	[0..1]	±		820

25.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

25.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

25.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

25.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblId>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

25.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

25.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

25.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

25.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

25.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

25.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

25.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

25.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

25.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

25.4.12 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

25.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

25.4.14 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvSDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		788
	Time <Tm>	[0..1]	Time		788

25.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

25.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

25.4.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

25.4.16 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		789
	Description <Desc>	[0..1]	Text		794
	Exemption <Xmptn>	[0..1]	Indicator		794
	ExemptReason <XmptRsn>	[0..1]	Text		795
	Amount <Amt>	[1..1]	Amount		795
	Rate <Rate>	[0..1]	Rate		795
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		795
	CreditDebit <CdtDbt>	[0..1]	CodeSet		795

25.4.16.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

25.4.16.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

25.4.16.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

25.4.16.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

25.4.16.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

25.4.16.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

25.4.16.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

25.4.16.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

25.4.17 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

25.4.18 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2017
	SenderIdentification <Sndrld>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <Txld>	[0..1]	±		2017
	ConversionDateTime <ConvstDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrddSttlmDt>	[0..1]	Date		2020

25.4.19 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

25.4.20 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

25.4.21 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12"](#) on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

25.4.22 Context <Cntxt>

Presence: [0..1]

Definition: Context of the reversal transaction.

Context <Cntxt> contains the following elements (see ["Context29"](#) on page 1555 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1555
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1555
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1555
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1556
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1556
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1556
	NoShow <NoShow>	[0..1]	Indicator		1556
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1556
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1557
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1557
	PrivateData <PrvtData>	[0..*]	(External Schema)		1557
	NationalData <NtlData>	[0..*]	(External Schema)		1557

25.4.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: ["Max10KHexBinaryText"](#) on page 2158

25.4.24 **AuthenticationData <AuthntcnData>**

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		801
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		801
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		801
	MessageVersion <MsgVrsn>	[0..1]	Text		801
	XID <XID>	[0..1]	Binary		801
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		801
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		802
	MessageCategory <MsgCtgy>	[0..1]	Text		802
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		802
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		802
	DeviceInformation <DvcInf>	[0..1]	Text		802
	PurchaseAmount <PurchsAmt>	[0..1]	Text		802
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	802
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		803
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		803
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		803
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		803
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		803
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		803
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		804
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		804
	DeviceIdentification <DvcId>	[0..*]	Text		804
	DeviceType <DvcTp>	[0..*]	Text		804
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		804
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		804
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		804
	SessionIdentification <SsnId>	[0..1]	Text		804
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		805
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		805
	DataQuality <DataQlty>	[0..1]	Indicator		805

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		805
	PrivateData <PrvtData>	[0..*]	(External Schema)		805
	NationalData <NtlData>	[0..*]	(External Schema)		805

25.4.24.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

25.4.24.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

25.4.24.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

25.4.24.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

25.4.24.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

25.4.24.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

25.4.24.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

25.4.24.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

25.4.24.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

25.4.24.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

25.4.24.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

25.4.24.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

25.4.24.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

25.4.24.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

25.4.24.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

25.4.24.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

25.4.24.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

25.4.24.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

25.4.24.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

25.4.24.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

25.4.24.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

25.4.24.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

25.4.24.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

25.4.24.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

25.4.24.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

25.4.24.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

25.4.24.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

25.4.24.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

25.4.24.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

25.4.24.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

25.4.24.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

25.4.24.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.24.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.25 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

25.4.26 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

25.4.27 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

25.4.28 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

25.4.29 Verification <Vrfctn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

25.4.30 SpecialProgrammeQualification <SpclPrgrmmQlfcctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.31 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "Instalment8" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

25.4.32 RecurringPayment <RcrngPmt>

Presence: [0..1]

Definition: Detail information of the recurring payment.

RecurringPayment <RcrngPmt> contains the following **RecurringPaymentData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		811
	PerTransactionAmountIndicator <PerTxAmtInd>	[0..1]	Text		811
	NumberOfRecurringPayment <NbOfRcrngPmt>	[0..1]	Text		811
	Frequency <Frqcy>	[0..1]	Text		811
	RegistrationReferenceNumber <RegnRefNb>	[0..1]	Text		811
	MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>	[0..1]	Amount		811
	ValidationIndicator <VldtnInd>	[0..1]	Text		811
	PrivateData <PrvtData>	[0..*]	(External Schema)		811
	NationalData <NtlData>	[0..*]	(External Schema)		812

25.4.32.1 Type <Tp>

Presence: [0..1]

Definition: Code to indicate the recurring payment type. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 80/2.

Datatype: "Exact1NumericText" on page 2156

25.4.32.2 PerTransactionAmountIndicator <PerTxAmtInd>

Presence: [0..1]

Definition: Indicate the type of payment amount per transaction. Valid value refer to ISO 8583 bit 104 dataset 18/88 tag 81/3.

Datatype: "Exact1NumericText" on page 2156

25.4.32.3 NumberOfRecurringPayment <NbOfRcrngPmt>

Presence: [0..1]

Definition: Contain the number of recurring payment.

Datatype: "Exact2NumericText" on page 2156

25.4.32.4 Frequency <Frqcy>

Presence: [0..1]

Definition: Indicate the frequency of the recurring payment. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 83/5.

Datatype: "Exact2NumericText" on page 2156

25.4.32.5 RegistrationReferenceNumber <RegnRefNb>

Presence: [0..1]

Definition: Reference number of the recurring payment agreement assigned by the merchant.

Datatype: "Max35Text" on page 2163

25.4.32.6 MaximumRecurringPaymentAmount <MaxRcrngPmtAmt>

Presence: [0..1]

Definition: Contain the maximum recurring payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

25.4.32.7 ValidationIndicator <VldtnInd>

Presence: [0..1]

Definition: Indicate whether the recurring payment agreement validated or not. The valid value refer to the ISO 8583 bit 104 Dataset 18/88 tag 86/8.

Datatype: "Exact1NumericText" on page 2156

25.4.32.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.32.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.33 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <RsIt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

25.4.34 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see ["FundingService4"](#) on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

25.4.35 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		813
	DomesticQualification <DmstQlfctn>	[0..1]	Text		813

25.4.35.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

25.4.35.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

25.4.36 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7" on page 2069](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

25.4.37 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

25.4.38 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

25.4.39 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

25.4.40 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		817
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		817
	DerivedInformation <DrvdInf>	[0..1]	Text		817
	Algorithm <Algo>	[0..1]	Text		818
	KeyLength <KeyLngth>	[0..1]	Text		818
	KeyProtection <KeyPrtc>	[0..1]	Text		818
	KeyIndex <KeyIndx>	[0..1]	Text		818
	PaddingMethod <PddgMtd>	[0..1]	Text		818
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		818
	EncryptedElement <NcrptdElmt>	[1..*]			819
	Identification <Id>	[0..1]	Text		819
	Data <Data>	[1..1]			819
{Or	Binary <Binry>	[1..1]	Binary		819
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		819
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		820
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		820

25.4.40.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

25.4.40.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

25.4.40.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

25.4.40.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

25.4.40.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

25.4.40.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

25.4.40.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

25.4.40.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

25.4.40.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

25.4.40.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		819
	Data <Data>	[1..1]			819
{Or	Binary <Binry>	[1..1]	Binary		819
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		819
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		820
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		820

25.4.40.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

25.4.40.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		819
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		819

25.4.40.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

25.4.40.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

25.4.40.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

25.4.40.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

25.4.41 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.42 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

25.4.43 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

26 cain.014.001.04 RetrievalFulfilmentInitiationV04

26.1 MessageDefinition Functionality

The RetrievalFulfilmentInitiation message is sent by an acquirer or agent to an issuer to support an issuer's retrieval request.

The RetrievalFulfilmentInitiation message is the activity initiated by the acceptor, the acquirer or the relevant agent to support the issuer who has determined that a transaction information document needs to be examined before a potential chargeback is sent or to satisfy another need of the issuer or the cardholder. Only an issuer or its agent can initiate a retrieval request.

Outline

The RetrievalFulfilmentInitiationV04 MessageDefinition is composed of 33 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the transaction.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Party sending the message to another intermediary agent or to the final destination.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the transaction.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.

- L. ConversionDateTime
Date and Time of currency conversion.
- M. Acceptor
Card acceptor performing the card transaction.
- N. Transactor
Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.
- O. Terminal
Payment terminal or ATM performing the transaction.
- P. Context
Context of the transaction.
- Q. Payer
The party providing source of funds.
- R. Payee
The party receiving funds.
- S. Token
Details of payment token.
- T. Wallet
Container for tenders used by the customer to perform the payment transaction.
- U. SpecialProgrammeQualification
Data to qualify for incentive or other related programmes.
- V. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
- W. SettlementService
Type of settlement service for specific services requiring settlement.
- X. AdditionalFee
Fees not included in the transaction amount.
- Y. Reconciliation
Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- Z. DisputeData
Information about the dispute.
- A OriginalTransaction
A. Contains details of the original transaction.
- AB RetrievalFulfilmentInstructions
.

Fulfilment request instructions for the retrieval.

AC ProcessingResult

- Outcome of the processing of the authorisation.

A ProtectedData

- D. Contains protected data and the attributes used to protect the data.

AE PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AF NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- G. Trailer of the message containing a MAC.

26.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvIFlmtlnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		827
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		827
	Originator <Orgtr>	[0..1]	±		828
	Acquirer <Acqrr>	[1..1]	±		828
	Sender <Sndr>	[0..1]	±		829
	Card <Card>	[0..1]	±		829
	Receiver <Rcvr>	[0..1]	±		830
	Issuer <Issr>	[0..1]	±		831
	Destination <Dstin>	[0..1]	±		831
	Programme <Prgrmm>	[0..*]	±		832
	TransactionIdentification <Txld>	[0..1]	±		832
	ConversionDateTime <ConvsDtTm>	[0..1]			833
	Date <Dt>	[1..1]	Date		833
	Time <Tm>	[0..1]	Time		834
	Acceptor <Accptr>	[0..1]	±		834
	Transactor <Txtr>	[0..1]	±		834
	Terminal <Termnl>	[0..1]	±		835
	Context <Cntxt>	[0..1]	±		835
	Payer <Pyer>	[0..1]	±		837
	Payee <Pyee>	[0..1]	±		838
	Token <Tkn>	[0..1]	±		839
	Wallet <Wllt>	[0..1]	±		840
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		841
	Jurisdiction <Jursdctn>	[0..1]			842
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		842
	DomesticQualification <DmstQlfctn>	[0..1]	Text		842
	SettlementService <SttlmSvc>	[0..1]	±		842
	AdditionalFee <AddtlFee>	[0..*]	±		843
	Reconciliation <Rcncltn>	[0..1]	±		844

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DisputeData <DsptData>	[1..*]	±		844
	OriginalTransaction <OrgnlTx>	[0..1]	±		845
	RetrievalFulfilmentInstructions <RtrvlFlfmtInstrs>	[0..*]	(External Schema)		847
	ProcessingResult <PrcgRslt>	[0..1]	±		848
	ProtectedData <PrctcdData>	[0..*]			848
	Control <Ctrl>	[0..1]	Text		849
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		849
	DerivedInformation <DrvdInf>	[0..1]	Text		849
	Algorithm <Algo>	[0..1]	Text		850
	KeyLength <KeyLngth>	[0..1]	Text		850
	KeyProtection <KeyPrtcn>	[0..1]	Text		850
	KeyIndex <KeyIndx>	[0..1]	Text		850
	PaddingMethod <PddgMtd>	[0..1]	Text		850
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		850
	EncryptedElement <NcrptdElmt>	[1..*]			851
	Identification <Id>	[0..1]	Text		851
	Data <Data>	[1..1]			851
{Or	Binary <Binry>	[1..1]	Binary		851
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		851
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		852
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		852
	PrivateData <PrvtData>	[0..*]	(External Schema)		852
	NationalData <NtlData>	[0..*]	(External Schema)		852
	SecurityTrailer <SctyTrlr>	[0..1]	±		852

26.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

26.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

26.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

26.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

26.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

26.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

26.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

26.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

26.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

26.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

26.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the transaction.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

26.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

26.4.11 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

26.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		833
	Time <Tm>	[0..1]	Time		834

26.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

26.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

26.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

26.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

26.4.15 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

26.4.16 Context <Cntxt>

Presence: [0..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following elements (see "Context30" on page 1786 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1788
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1789
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1789
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1789
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1789
	CardPresent <CardPres>	[0..1]	Indicator		1790
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1790
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1790
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1790
	Transit <Trnst>	[0..1]	Indicator		1791
	Attended <Attndd>	[0..1]	Indicator		1791
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1791
	ECommerce <EComrc>	[0..1]	Indicator		1791
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1792
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1792
	ECommerceData <EComrcData>	[0..*]			1792
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1792
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1793
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1793
	NoShow <NoShow>	[0..1]	Indicator		1793
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1793
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1793
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1793
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1794
	DeferredDelivery <Dfrddlrvy>	[0..1]	Indicator		1794
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1794
	SplitPayment <Spltpmt>	[0..1]	Indicator		1795
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1795
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1795

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StorageLocation <StorgLctn>	[0..1]	Text		1796
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1796
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1796
	CaptureDate <CaptrDt>	[0..1]	Date		1797
	DateAnticipated <DtAntcptd>	[0..1]	Date		1797
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1797
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1797
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1797
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1797
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1798
	ReceiptRequest <RctReq>	[0..1]	Indicator		1798
	ReceiptType <RctTp>	[0..*]	CodeSet		1798
	ReceiptDestination <RctDstn>	[0..1]	Text		1799
	PrivateData <PrvtData>	[0..*]	(External Schema)		1799
	NationalData <NtlData>	[0..*]	(External Schema)		1799

26.4.17 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

26.4.18 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <Fi>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

26.4.19 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

26.4.20 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

26.4.21 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

26.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		842
	DomesticQualification <DmstQlfctn>	[0..1]	Text		842

26.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

26.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

26.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

26.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

26.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

26.4.26 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData5" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

26.4.27 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvsvDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

26.4.28 RetrievalFulfilmentInstructions <RtrvFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

26.4.29 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "[ProcessingResult31](#)" on page 2080 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2081
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2081
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2081
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2081
	ResponseCode <RspnCd>	[0..1]	CodeSet		2081
	ActionCode <ActnCd>	[0..1]	CodeSet		2082
	ApprovalCode <ApprvlCd>	[0..1]	Text		2082
	ResponseReason <RspnRsn>	[0..1]	Text		2082
	PrivateData <PrvtData>	[0..*]	(External Schema)		2082
	NationalData <NtlData>	[0..*]	(External Schema)		2082

26.4.30 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		849
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		849
	DerivedInformation <DrvdInf>	[0..1]	Text		849
	Algorithm <Algo>	[0..1]	Text		850
	KeyLength <KeyLngth>	[0..1]	Text		850
	KeyProtection <KeyPrtc>	[0..1]	Text		850
	KeyIndex <KeyIndx>	[0..1]	Text		850
	PaddingMethod <PddgMtd>	[0..1]	Text		850
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		850
	EncryptedElement <NcrptdElmt>	[1..*]			851
	Identification <Id>	[0..1]	Text		851
	Data <Data>	[1..1]			851
{Or	Binary <Binry>	[1..1]	Binary		851
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		851
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		852
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		852

26.4.30.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

26.4.30.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

26.4.30.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

26.4.30.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

26.4.30.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

26.4.30.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

26.4.30.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

26.4.30.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

26.4.30.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

26.4.30.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		851
	Data <Data>	[1..1]			851
{Or	Binary <Binry>	[1..1]	Binary		851
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		851
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		852
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		852

26.4.30.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

26.4.30.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		851
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		851

26.4.30.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

26.4.30.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

26.4.30.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

26.4.30.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

26.4.31 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

26.4.32 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

26.4.33 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

27 cain.015.001.04 RetrievalFulfilmentResponseV04

27.1 MessageDefinition Functionality

The RetrievalFulfilmentResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a RetrievalFulfilmentInitiation message.

Outline

The RetrievalFulfilmentResponseV04 MessageDefinition is composed of 33 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator of the transaction.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the transaction.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. Acceptor
Card acceptor performing the card transaction.

N. Transactor

Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

O. Terminal

Payment terminal or ATM performing the transaction.

P. Context

Context of the transaction.

Q. Payer

The party providing source of funds.

R. Payee

The party receiving funds.

S. Token

Details of payment token.

T. Wallet

Container for tenders used by the customer to perform the payment transaction.

U. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. DisputeData

Information about the dispute.

A RetrievalFulfilmentInstructions

A. Fulfilment request instructions for the retrieval.

AB ProcessingResult

· Outcome of the processing of the authorisation.

AC OriginalResponseCode

· Original Response code.

A ProtectedData

D.

Contains protected data and the attributes used to protect the data.

AE PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AF NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- G. Trailer of the message containing a MAC.

27.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvIFlmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		859
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		859
	Originator <Orgtr>	[0..1]	±		860
	Acquirer <Acqrr>	[1..1]	±		860
	Sender <Sndr>	[0..1]	±		861
	Card <Card>	[0..1]	±		861
	Receiver <Rcvr>	[0..1]	±		862
	Issuer <Issr>	[0..1]	±		863
	Destination <Dstin>	[0..1]	±		863
	Programme <Prgrmm>	[0..*]	±		864
	TransactionIdentification <Txld>	[0..1]	±		864
	ConversionDateTime <ConvsDtTm>	[0..1]			865
	Date <Dt>	[1..1]	Date		865
	Time <Tm>	[0..1]	Time		866
	Acceptor <Accptr>	[0..1]	±		866
	Transactor <Txtr>	[0..1]	±		866
	Terminal <Termnl>	[0..1]	±		867
	Context <Cntxt>	[0..1]	±		867
	Payer <Pyer>	[0..1]	±		869
	Payee <Pyee>	[0..1]	±		870
	Token <Tkn>	[0..1]	±		871
	Wallet <Wllt>	[0..1]	±		872
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		873
	Jurisdiction <Jursdctn>	[0..1]			874
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		874
	DomesticQualification <DmstQlfctn>	[0..1]	Text		874
	SettlementService <SttlmSvc>	[0..1]	±		874
	AdditionalFee <AddtlFee>	[0..*]	±		875
	Reconciliation <Rcncltn>	[0..1]	±		876

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DisputeData <DsptData>	[1..*]	±		876
	RetrievalFulfilmentInstructions <RtrvIfmtnstrs>	[0..*]	(External Schema)		877
	ProcessingResult <PrcgRslt>	[1..1]	±		877
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		878
	ProtectedData <PrctcdData>	[0..*]			878
	Control <Ctrl>	[0..1]	Text		879
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		879
	DerivedInformation <DrvdInf>	[0..1]	Text		879
	Algorithm <Algo>	[0..1]	Text		880
	KeyLength <KeyLngth>	[0..1]	Text		880
	KeyProtection <KeyPrtcn>	[0..1]	Text		880
	KeyIndex <KeyIndx>	[0..1]	Text		880
	PaddingMethod <PddgMtd>	[0..1]	Text		880
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		880
	EncryptedElement <NcrptdElmt>	[1..*]			881
	Identification <Id>	[0..1]	Text		881
	Data <Data>	[1..1]			881
{Or	Binary <Binry>	[1..1]	Binary		881
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		881
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		882
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		882
	PrivateData <PrvtData>	[0..*]	(External Schema)		882
	NationalData <NtlData>	[0..*]	(External Schema)		882
	SecurityTrailer <SctyTrlr>	[0..1]	±		882

27.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

27.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

27.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

27.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

27.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

27.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

27.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

27.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

27.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

27.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

27.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the transaction.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

27.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

27.4.11 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

27.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		865
	Time <Tm>	[0..1]	Time		866

27.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

27.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

27.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

27.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

27.4.15 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

27.4.16 Context <Cntxt>

Presence: [0..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following elements (see "Context30" on page 1786 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1788
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1789
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1789
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1789
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1789
	CardPresent <CardPres>	[0..1]	Indicator		1790
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1790
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1790
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1790
	Transit <Trnst>	[0..1]	Indicator		1791
	Attended <Attndd>	[0..1]	Indicator		1791
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1791
	ECommerce <EComrc>	[0..1]	Indicator		1791
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1792
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1792
	ECommerceData <EComrcData>	[0..*]			1792
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1792
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1793
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1793
	NoShow <NoShow>	[0..1]	Indicator		1793
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1793
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1793
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1793
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1794
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1794
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1794
	SplitPayment <Spltpmt>	[0..1]	Indicator		1795
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1795
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1795

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StorageLocation <StorgLctn>	[0..1]	Text		1796
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1796
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1796
	CaptureDate <CaptrDt>	[0..1]	Date		1797
	DateAnticipated <DtAntcptd>	[0..1]	Date		1797
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1797
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1797
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1797
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1797
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1798
	ReceiptRequest <RctReq>	[0..1]	Indicator		1798
	ReceiptType <RctTp>	[0..*]	CodeSet		1798
	ReceiptDestination <RctDstn>	[0..1]	Text		1799
	PrivateData <PrvtData>	[0..*]	(External Schema)		1799
	NationalData <NtlData>	[0..*]	(External Schema)		1799

27.4.17 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

27.4.18 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

27.4.19 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

27.4.20 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

27.4.21 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

27.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		874
	DomesticQualification <DmstQlfctn>	[0..1]	Text		874

27.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

27.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

27.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

27.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

27.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

27.4.26 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData5" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

27.4.27 RetrievalFulfilmentInstructions <RtrvFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

27.4.28 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

27.4.29 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

27.4.30 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		879
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		879
	DerivedInformation <DrvdInf>	[0..1]	Text		879
	Algorithm <Algo>	[0..1]	Text		880
	KeyLength <KeyLngth>	[0..1]	Text		880
	KeyProtection <KeyPrtc>	[0..1]	Text		880
	KeyIndex <KeyIndx>	[0..1]	Text		880
	PaddingMethod <PddgMtd>	[0..1]	Text		880
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		880
	EncryptedElement <NcrptdElmt>	[1..*]			881
	Identification <Id>	[0..1]	Text		881
	Data <Data>	[1..1]			881
{Or	Binary <Binry>	[1..1]	Binary		881
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		881
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		882
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		882

27.4.30.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

27.4.30.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

27.4.30.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

27.4.30.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

27.4.30.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

27.4.30.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

27.4.30.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

27.4.30.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

27.4.30.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

27.4.30.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		881
	Data <Data>	[1..1]			881
{Or	Binary <Binry>	[1..1]	Binary		881
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		881
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		882
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		882

27.4.30.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

27.4.30.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		881
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		881

27.4.30.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

27.4.30.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

27.4.30.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

27.4.30.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

27.4.31 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

27.4.32 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

27.4.33 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

28 cain.016.001.04 InquiryVerificationInitiationV04

28.1 MessageDefinition Functionality

The Inquiry verification Initiation message is sent by an acquirer or agent to an issuer to request or verify information related to the card (e.g. about a cardholder, the availability of funds, etc.).

Outline

The InquiryVerificationInitiationV04 MessageDefinition is composed of 48 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. ConversionDateTime

Date and Time of currency conversion.

O. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

P. TransactionAmounts

Amounts of the card transaction.

Q. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

R. Acceptor

Card acceptor performing the card transaction.

S. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

T. Terminal

Payment terminal or ATM performing the transaction.

U. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

V. Context

Contains or describes conditions and characteristics of the transaction.

W. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

X. AuthenticationData

Contain information related to authentication.

Y. Payer

The party providing source of funds.

Z. Payee

The party receiving funds.

A Token

A. Details of payment token.

AB CustomerDevice

· Identification of the customer device performing the transaction.

AC Wallet

· Container for tenders used by the customer to perform the payment transaction.

- A Cardholder
- D. Cardholder performing the card payment transaction.
- AE Verification
 - Contain validation result and/or data to be validated.
- AF Risk
 - Context of risk associated with the transaction.
- A SpecialProgrammeQualification
- G. Data to qualify for incentive or other related programmes.
- A Instalment
- H. Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- AI. AdditionalService
 - Additional functions or services to be performed in conjunction with the transaction.
- AJ. FundsServices
 - Financial services related to the account.
- A Jurisdiction
- K. Contains information that identifies or is specific to a transaction jurisdiction.
- AL SettlementService
 - Type of settlement service for specific services requiring settlement.
- A AdditionalFee
- M. Fees not included in the transaction amount.
- A Reconciliation
- N. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- A Benefits
- O. Contain benefit supporting data.
- AP OriginalResponseCode
 - Original response code.
- A ProcessingResult
- Q. Outcome of the processing of the authorisation.
- AR StrongCustomerAuthentication
 - EU PSD2 Strong Consumer Authentication data.
- AS ProtectedData
 - Contains protected data and the attributes used to protect the data.
- AT PrivateData
 - Reserved for private data. The use of this data element is determined by bilateral agreement.

- A NationalData
- U. Reserved to define data unique to the country applications.
- A SecurityTrailer
- V. Trailer of the message containing a MAC.

28.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NqryVrfctnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		892
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		892
	Originator <Orgtr>	[0..1]	±		893
	Acquirer <Acqrr>	[1..1]	±		894
	Sender <Sndr>	[0..1]	±		894
	Card <Card>	[0..1]	±		894
	AccountFrom <AcctFr>	[0..1]	±		895
	AccountTo <AcctTo>	[0..1]	±		896
	Receiver <Rcvr>	[0..1]	±		896
	Issuer <Issr>	[0..1]	±		897
	Destination <Dstin>	[0..1]	±		897
	Programme <Prgrmm>	[0..1]	±		897
	TransactionIdentification <TxId>	[1..1]	±		898
	ConversionDateTime <ConvstDtTm>	[0..1]			899
	Date <Dt>	[1..1]	Date		899
	Time <Tm>	[0..1]	Time		900
	ExchangeRate <XchgRate>	[0..*]			900
	Provider <Prvdr>	[0..1]	Text		900
	Identification <Id>	[0..1]	Text		900
	Date <Dt>	[0..1]	Date		901
	Time <Tm>	[0..1]	Time		901
	EndPoint <EndPt>	[0..1]	CodeSet		901
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	901
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	901
	Rate <Rate>	[0..1]	Rate		902
	RateType <RateTp>	[0..1]	CodeSet		902
	AgreementType <AgrmtTp>	[0..1]	CodeSet		902
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		902
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		903

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RateLockApplied <RateLckApld>	[0..1]	Indicator		903
	TransactionAmounts <TxAmts>	[0..1]	±		903
	AdditionalAmount <AddtlAmt>	[0..*]	±		903
	Acceptor <Accptr>	[1..1]	±		904
	Transactor <Txtr>	[0..1]	±		906
	Terminal <Termnl>	[0..1]	±		906
	POIComponent <POICmpnt>	[0..*]	±		908
	Context <Cntxt>	[1..1]	±		908
	ICCRelatedData <ICCRltdData>	[0..1]	Text		910
	AuthenticationData <AuthntcnData>	[0..1]			910
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		912
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		912
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		912
	MessageVersion <MsgVrsn>	[0..1]	Text		912
	XID <XID>	[0..1]	Binary		912
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		912
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		913
	MessageCategory <MsgCtgy>	[0..1]	Text		913
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		913
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		913
	DeviceInformation <DvcInf>	[0..1]	Text		913
	PurchaseAmount <PurchsAmt>	[0..1]	Text		913
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	913
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		914
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		914
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		914
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		914
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		914
	ApplicationIPAddress <AppIPAdr>	[0..1]	Text		914
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		915
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		915

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceIdentification <DvcId>	[0..*]	Text		915
	DeviceType <DvcTp>	[0..*]	Text		915
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		915
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		915
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		915
	SessionIdentification <SsnId>	[0..1]	Text		915
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		916
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		916
	DataQuality <DataQlty>	[0..1]	Indicator		916
	Programme <Prgrmm>	[0..1]	Text		916
	PrivateData <PrvtData>	[0..*]	(External Schema)		916
	NationalData <NtlData>	[0..*]	(External Schema)		916
	Payer <Pyer>	[0..1]	±		917
	Payee <Pyee>	[0..1]	±		917
	Token <Tkn>	[0..1]	±		918
	CustomerDevice <CstmrDvc>	[0..1]	±		919
	Wallet <WlIt>	[0..1]	±		920
	Cardholder <Crhdldr>	[0..*]	±		921
	Verification <Vrfctn>	[0..*]	±		922
	Risk <Rsk>	[0..*]	±		923
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		923
	Instalment <Instlmt>	[0..1]	±		924
	AdditionalService <AddtlSvc>	[0..*]	±		924
	FundsServices <FndsSvcs>	[0..1]	±		924
	Jurisdiction <Jursdctn>	[0..1]			925
	DomesticIndicator <DmstInd>	[0..1]	Indicator		925
	DomesticQualification <DmstQlfctn>	[0..1]	Text		925
	SettlementService <SttlmSvc>	[0..1]	±		926
	AdditionalFee <AddtlFee>	[0..*]	±		926
	Reconciliation <Rcncltn>	[0..1]	±		927
	Benefits <Bnfts>	[0..*]	±		927

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		928
	ProcessingResult <PrpgRslt>	[0..1]	±		928
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			928
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		929
	Exemption <Xmptn>	[0..*]			929
	Type <Tp>	[1..1]	CodeSet		929
	Value <Val>	[1..1]	CodeSet		930
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		930
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		930
	Waiver <Wvr>	[0..1]	CodeSet		931
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		931
	ProtectedData <PrctcdData>	[0..*]			931
	Control <Ctrl>	[0..1]	Text		932
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		932
	DerivedInformation <DrvdInf>	[0..1]	Text		932
	Algorithm <Algo>	[0..1]	Text		933
	KeyLength <KeyLngth>	[0..1]	Text		933
	KeyProtection <KeyPrtcn>	[0..1]	Text		933
	KeyIndex <KeyIndx>	[0..1]	Text		933
	PaddingMethod <PddgMtd>	[0..1]	Text		933
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		933
	EncryptedElement <NcrptdElmt>	[1..*]			934
	Identification <Id>	[0..1]	Text		934
	Data <Data>	[1..1]			934
{Or	Binary <Binry>	[1..1]	Binary		934
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		934
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		935
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		935
	PrivateData <PrvtData>	[0..*]	(External Schema)		935
	NationalData <NtlData>	[0..*]	(External Schema)		935
	SecurityTrailer <SctyTrlr>	[0..1]	±		935

28.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

28.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

28.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

28.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblId>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

28.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

28.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

28.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

28.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

28.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

28.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

28.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

28.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

28.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

28.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

28.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

28.4.14 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		899
	Time <Tm>	[0..1]	Time		900

28.4.14.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

28.4.14.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

28.4.15 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		900
	Identification <Id>	[0..1]	Text		900
	Date <Dt>	[0..1]	Date		901
	Time <Tm>	[0..1]	Time		901
	EndPoint <EndPt>	[0..1]	CodeSet		901
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	901
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	901
	Rate <Rate>	[0..1]	Rate		902
	RateType <RateTp>	[0..1]	CodeSet		902
	AgreementType <AgrmtTp>	[0..1]	CodeSet		902
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		902
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		903
	RateLockApplied <RateLckApld>	[0..1]	Indicator		903

28.4.15.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

28.4.15.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

28.4.15.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

28.4.15.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

28.4.15.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

28.4.15.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

28.4.15.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

28.4.15.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

28.4.15.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRД	Agreed	Exchange rate applied is the rate agreed between the parties.

28.4.15.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateAgreementType2Code" on page 2115

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

28.4.15.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.15.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.15.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.16 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see ["TransactionAmounts6"](#) on page 1399 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1399
	Amount <Amt>	[0..1]	Amount		1400
	Currency <Ccy>	[0..1]	CodeSet	C1	1400
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1400
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1400
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1401
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1401
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1401
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1401
	DetailedAmount <DtldAmt>	[0..*]	±		1401

28.4.17 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

28.4.18 Acceptor <Accptr>

Presence: [1..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

28.4.19 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

28.4.20 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

28.4.21 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

28.4.22 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context28" on page 1599 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1601
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1602
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1602
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1602
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1603
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1603
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1603
	CardPresent <CardPres>	[0..1]	Indicator		1603
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1603
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1603
	TransponderInitiated <TrnspondrInittd>	[0..1]	Indicator		1604
	Transit <Trnst>	[0..1]	Indicator		1604
	Attended <Atndd>	[0..1]	Indicator		1604
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		1605
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1605
	ECommerce <EComrc>	[0..1]	Indicator		1605
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1605
	ECommerceData <EComrcData>	[0..*]			1605
	Type <Tp>	[1..1]	Text		1605
	Value <Val>	[1..1]	Text		1606
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1606
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1606
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1606
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1606
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1607
	NoShow <NoShow>	[0..1]	Indicator		1607
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1607
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1607
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1607
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1608
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1608

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1608
	SplitPayment <Spltpmt>	[0..1]	Indicator		1608
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1609
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1609
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1610
	StorageLocation <StorgLctn>	[0..1]	Text		1610
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1610
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1610
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1611
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1611
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1611
	MagneticStripeFallback <MgntcStrpFllbck>	[0..1]	Indicator		1611
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1612
	CaptureDate <CaptrDt>	[0..1]	Date		1612
	DateAnticipated <DtAntcptd>	[0..1]	Date		1612
	PrivateData <PrvtData>	[0..*]	(External Schema)		1612
	NationalData <NtlData>	[0..*]	(External Schema)		1612

28.4.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

28.4.24 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		912
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		912
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		912
	MessageVersion <MsgVrsn>	[0..1]	Text		912
	XID <XID>	[0..1]	Binary		912
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		912
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		913
	MessageCategory <MsgCtgy>	[0..1]	Text		913
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		913
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		913
	DeviceInformation <DvcInf>	[0..1]	Text		913
	PurchaseAmount <PurchsAmt>	[0..1]	Text		913
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	913
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		914
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		914
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		914
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		914
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		914
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		914
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		915
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		915
	DeviceIdentification <DvcId>	[0..*]	Text		915
	DeviceType <DvcTp>	[0..*]	Text		915
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		915
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		915
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		915
	SessionIdentification <SsnId>	[0..1]	Text		915
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		916
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		916
	DataQuality <DataQlty>	[0..1]	Indicator		916

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		916
	PrivateData <PrvtData>	[0..*]	(External Schema)		916
	NationalData <NtlData>	[0..*]	(External Schema)		916

28.4.24.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

28.4.24.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

28.4.24.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

28.4.24.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

28.4.24.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

28.4.24.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

28.4.24.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

28.4.24.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

28.4.24.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

28.4.24.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

28.4.24.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

28.4.24.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

28.4.24.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

28.4.24.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

28.4.24.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

28.4.24.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

28.4.24.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

28.4.24.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

28.4.24.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

28.4.24.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

28.4.24.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

28.4.24.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

28.4.24.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

28.4.24.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

28.4.24.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

28.4.24.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

28.4.24.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

28.4.24.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

28.4.24.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

28.4.24.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.24.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

28.4.24.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

28.4.24.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

28.4.25 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

28.4.26 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

28.4.27 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

28.4.28 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

28.4.29 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

28.4.30 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptn>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

28.4.31 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <RsIt>	[0..1]	CodeSet		2094
	ResultDetails <RsItDtls>	[0..1]	(External Schema)		2094

28.4.32 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

28.4.33 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

28.4.34 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see "[Instalment8](#)" on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

28.4.35 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "[AdditionalService3](#)" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

28.4.36 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see ["FundingService4"](#) on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

28.4.37 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		925
	DomesticQualification <DmstQlfctn>	[0..1]	Text		925

28.4.37.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.37.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

28.4.38 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7" on page 2069](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

28.4.39 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

28.4.40 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

28.4.41 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see ["BenefitSupportingData1"](#) on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

28.4.42 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original response code.

Datatype: ["ISO8583ResponseCode"](#) on page 2127

28.4.43 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see ["ProcessingResult28"](#) on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcld>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

28.4.44 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		929
	Exemption <Xmptn>	[0..*]			929
	Type <Tp>	[1..1]	CodeSet		929
	Value <Val>	[1..1]	CodeSet		930
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		930
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		930
	Waiver <Wvr>	[0..1]	CodeSet		931
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		931

28.4.44.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

28.4.44.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		929
	Value <Val>	[1..1]	CodeSet		930
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		930

28.4.44.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: ["Exemption2Code"](#) on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

28.4.44.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

28.4.44.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

28.4.44.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

28.4.44.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

28.4.44.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

28.4.45 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		932
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		932
	DerivedInformation <DrvdInf>	[0..1]	Text		932
	Algorithm <Algo>	[0..1]	Text		933
	KeyLength <KeyLngth>	[0..1]	Text		933
	KeyProtection <KeyPrtc>	[0..1]	Text		933
	KeyIndex <KeyIndx>	[0..1]	Text		933
	PaddingMethod <PddgMtd>	[0..1]	Text		933
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		933
	EncryptedElement <NcrptdElmt>	[1..*]			934
	Identification <Id>	[0..1]	Text		934
	Data <Data>	[1..1]			934
{Or	Binary <Binry>	[1..1]	Binary		934
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		934
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		935
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		935

28.4.45.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

28.4.45.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

28.4.45.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

28.4.45.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

28.4.45.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

28.4.45.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

28.4.45.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

28.4.45.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

28.4.45.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

28.4.45.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		934
	Data <Data>	[1..1]			934
{Or	Binary <Binry>	[1..1]	Binary		934
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		934
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		935
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		935

28.4.45.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

28.4.45.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		934
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		934

28.4.45.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

28.4.45.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

28.4.45.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

28.4.45.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

28.4.46 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

28.4.47 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

28.4.48 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

29 **cain.017.001.04** **InquiryVerificationResponseV04**

29.1 **MessageDefinition Functionality**

The InquiryVerificationResponse message is sent by an issuer or an agent to an acquirer in response to an InquiryInitiation message.

Outline

The InquiryVerificationResponseV04 MessageDefinition is composed of 46 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. CardProgramme
Card programme or brand actually applied to the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. TransactionAmounts

Amounts of the card transaction.

O. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

P. ConversionDateTime

Date and Time of currency conversion.

Q. Acceptor

Card acceptor performing the card transaction.

R. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

S. Terminal

Payment terminal or ATM performing the transaction.

T. Context

Context in which the card transaction is performed.

U. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

V. AuthenticationData

Contain information related to authentication.

W. Payer

The party providing source of funds.

X. Payee

The party receiving funds.

Y. Token

Details of payment token.

Z. Wallet

Container for tenders used by the customer to perform the payment transaction.

A Cardholder

A. Cardholder performing the card payment transaction.

AB Verification

- Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

AC Risk

- Context of risk associated with the transaction.

- A SpecialProgrammeQualification
- D. Data to qualify for incentive or other related programmes.
- AE Instalment
 - Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.
- AF AdditionalService
 - Additional functions or services to be performed in conjunction with the transaction.
- A AccountBalance
- G. Balance of the account involved in the card transaction.
- A AccountStatementData
- H. Account information of a statement of account.
- AI. Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
- AJ. SettlementService
 - Type of settlement service for specific services requiring settlement.
- A AdditionalFee
- K. Fees not included in the transaction amount.
- AL Reconciliation
 - Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- A Benefits
- M. Contain benefit supporting data.
- A OriginalResponseCode
- N. Original response code.
- A ProcessingResult
- O. Outcome of the processing of the authorisation.
- AP StrongCustomerAuthentication
 - EU PSD2 Strong Consumer Authentication data.
- A ProtectedData
- Q. Contains protected data and the attributes used to protect the data.
- AR PrivateData
 - Reserved for private data. The use of this data element is determined by bilateral agreement.
- AS NationalData
 - Reserved to define data unique to the country applications.
- AT SecurityTrailer
 - Trailer of the message containing a MAC

29.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NqryVrfctnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		943
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		944
	Originator <Orgtr>	[0..1]	±		945
	Acquirer <Acqrr>	[1..1]	±		946
	Sender <Sndr>	[0..1]	±		946
	Card <Card>	[0..1]	±		946
	AccountFrom <AcctFr>	[0..1]	±		947
	AccountTo <AcctTo>	[0..1]	±		948
	Receiver <Rcvr>	[0..1]	±		948
	Issuer <Issr>	[0..1]	±		949
	Destination <Dstin>	[0..1]	±		949
	CardProgramme <CardPrgrmm>	[0..*]	±		949
	TransactionIdentification <TxId>	[1..1]	±		950
	TransactionAmounts <TxAmts>	[0..1]	±		951
	AdditionalAmount <AddtlAmt>	[0..*]	±		952
	ConversionDateTime <ConvstDtM>	[0..1]			952
	Date <Dt>	[1..1]	Date		953
	Time <Tm>	[0..1]	Time		953
	Acceptor <Accptr>	[0..1]	±		953
	Transactor <Txtr>	[0..1]	±		954
	Terminal <Termnl>	[0..1]	±		954
	Context <Cntxt>	[0..1]	±		954
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		956
	AuthenticationData <AuthntcnData>	[0..1]			956
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		958
	CardholderCertificateSerialNumber <CrhdldrCertSrlNb>	[0..1]	Binary		958
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		958
	MessageVersion <MsgVrsn>	[0..1]	Text		958
	XID <XID>	[0..1]	Binary		958

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		958
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		959
	MessageCategory <MsgCtgy>	[0..1]	Text		959
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		959
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		959
	DeviceInformation <DvcInf>	[0..1]	Text		959
	PurchaseAmount <PurchsAmt>	[0..1]	Text		959
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	959
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		960
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		960
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		960
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		960
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		960
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		960
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		961
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		961
	DeviceIdentification <DvcId>	[0..*]	Text		961
	DeviceType <DvcTp>	[0..*]	Text		961
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		961
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		961
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		961
	SessionIdentification <SsnId>	[0..1]	Text		961
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		962
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		962
	DataQuality <DataQlty>	[0..1]	Indicator		962
	Programme <Prgrmm>	[0..1]	Text		962
	PrivateData <PrvtData>	[0..*]	(External Schema)		962
	NationalData <NtlData>	[0..*]	(External Schema)		962
	Payer <Pyer>	[0..1]	±		963
	Payee <Pyee>	[0..1]	±		963
	Token <Tkn>	[0..1]	±		964

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Wallet <Wllt>	[0..1]	±		965
	Cardholder <Crhdldr>	[0..*]	±		966
	Verification <Vrfctn>	[0..*]	±		967
	Risk <Rsk>	[0..*]	±		968
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		968
	Instalment <Instlmt>	[0..1]	±		968
	AdditionalService <AddtlSvc>	[0..*]	±		968
	AccountBalance <AcctBal>	[0..*]	±		969
	AccountStatementData <AcctStmntData>	[0..*]	±		969
	Jurisdiction <Jursdctn>	[0..1]			970
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		970
	DomesticQualification <DmstQlfctn>	[0..1]	Text		971
	SettlementService <SttlmSvc>	[0..1]	±		971
	AdditionalFee <AddtlFee>	[0..*]	±		971
	Reconciliation <Rcncltn>	[0..1]	±		972
	Benefits <Bnfts>	[0..*]	±		972
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		973
	ProcessingResult <PrcgRslt>	[0..1]	±		973
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			974
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		975
	Exemption <Xmptn>	[0..*]			975
	Type <Tp>	[1..1]	CodeSet		975
	Value <Val>	[1..1]	CodeSet		976
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		976
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		976
	Waiver <Wvr>	[0..1]	CodeSet		977
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		977
	ProtectedData <PrtctdData>	[0..*]			977
	Control <Ctrl>	[0..1]	Text		978
	KeySetIdentifier <KeySetldr>	[0..1]	Text		978
	DerivedInformation <DrvdInf>	[0..1]	Text		978

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[0..1]	Text		979
	KeyLength <KeyLngh>	[0..1]	Text		979
	KeyProtection <KeyPrctn>	[0..1]	Text		979
	KeyIndex <KeyIndx>	[0..1]	Text		979
	PaddingMethod <PddgMtd>	[0..1]	Text		979
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		979
	EncryptedElement <NcrptdElmt>	[1..*]			980
	Identification <Id>	[0..1]	Text		980
	Data <Data>	[1..1]			980
{Or	Binary <Binry>	[1..1]	Binary		980
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		980
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		981
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		981
	PrivateData <PrvtData>	[0..*]	(External Schema)		981
	NationalData <NtlData>	[0..*]	(External Schema)		981
	SecurityTrailer <SctyTrlr>	[0..1]	±		981

29.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

29.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

29.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

29.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics5" on page 2047 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblId>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

29.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

29.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

29.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

29.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

29.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

29.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

29.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

29.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

29.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

29.4.12 CardProgramme <CardPrgrmm>

Presence: [0..*]

Definition: Card programme or brand actually applied to the transaction.

CardProgramme <CardPrgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

29.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

29.4.14 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts6](#)" on page 1399 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1399
	Amount <Amt>	[0..1]	Amount		1400
	Currency <Ccy>	[0..1]	CodeSet	C1	1400
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1400
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1400
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1401
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1401
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1401
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1401
	DetailedAmount <DtldAmt>	[0..*]	±		1401

29.4.15 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "[AdditionalAmounts5](#)" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

29.4.16 ConversionDateTime <ConvSdtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDdtM> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		953
	Time <Tm>	[0..1]	Time		953

29.4.16.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

29.4.16.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

29.4.17 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

29.4.18 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

29.4.19 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

29.4.20 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following elements (see "Context27" on page 1750 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1752
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1753
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1753
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1753
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1753
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1753
	CardPresent <CardPres>	[0..1]	Indicator		1753
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1754
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1754
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1754
	Transit <Trnst>	[0..1]	Indicator		1754
	Attended <Attndd>	[0..1]	Indicator		1755
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1755
	ECommerce <EComrc>	[0..1]	Indicator		1755
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1755
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1756
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1756
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1756
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1756
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1756
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1757
	NoShow <NoShow>	[0..1]	Indicator		1757
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1757
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1757
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1757
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1758
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1758
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1758
	DateAnticipated <DtAntcptd>	[0..1]	Date		1758
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1758
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1759
	StorageLocation <StorgLctn>	[0..1]	Text		1759
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1760
	PrivateData <PrvtData>	[0..*]	(External Schema)		1760
	NationalData <NtlData>	[0..*]	(External Schema)		1760

29.4.21 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

29.4.22 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		958
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		958
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		958
	MessageVersion <MsgVrsn>	[0..1]	Text		958
	XID <XID>	[0..1]	Binary		958
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		958
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		959
	MessageCategory <MsgCtgy>	[0..1]	Text		959
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		959
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		959
	DeviceInformation <DvcInf>	[0..1]	Text		959
	PurchaseAmount <PurchsAmt>	[0..1]	Text		959
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	959
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		960
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		960
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		960
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		960
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		960
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		960
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		961
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		961
	DeviceIdentification <DvcId>	[0..*]	Text		961
	DeviceType <DvcTp>	[0..*]	Text		961
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		961
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		961
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		961
	SessionIdentification <SsnId>	[0..1]	Text		961
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		962
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		962
	DataQuality <DataQlty>	[0..1]	Indicator		962

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		962
	PrivateData <PrvtData>	[0..*]	(External Schema)		962
	NationalData <NtlData>	[0..*]	(External Schema)		962

29.4.22.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

29.4.22.2 CardholderCertificateSerialNumber <CrhdldrCertSrInb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

29.4.22.3 AcceptorCertificateSerialNumber <AccptrCertSrInb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

29.4.22.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

29.4.22.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

29.4.22.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

29.4.22.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

29.4.22.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

29.4.22.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

29.4.22.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

29.4.22.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

29.4.22.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

29.4.22.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

29.4.22.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

29.4.22.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

29.4.22.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

29.4.22.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

29.4.22.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

29.4.22.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

29.4.22.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

29.4.22.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

29.4.22.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

29.4.22.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

29.4.22.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

29.4.22.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

29.4.22.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

29.4.22.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

29.4.22.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

29.4.22.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

29.4.22.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

29.4.22.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

29.4.22.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

29.4.22.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

29.4.23 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

29.4.24 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

29.4.25 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

29.4.26 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

29.4.27 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

29.4.28 Verification <Vrfctn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

29.4.29 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see ["RiskContext4"](#) on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

29.4.30 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

29.4.31 Instalment <Instlmt>

Presence: [0..1]

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Instalment <Instlmt> contains the following elements (see ["Instalment8"](#) on page 1596 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

29.4.32 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "[AdditionalService3](#)" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

29.4.33 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see "[AccountBalance4](#)" on page 1412 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

29.4.34 AccountStatementData <AcctStmtData>

Presence: [0..*]

Definition: Account information of a statement of account.

AccountStatementData <AcctStmtData> contains the following elements (see "AccountStatementData3" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1408
	Time <Tm>	[0..1]	Time		1408
	Details <Dtls>	[0..*]			1408
	TransactionDate <TxDt>	[1..1]	Date		1409
	Pending <Pdg>	[0..1]	Indicator		1409
	PostingDate <PstngDt>	[0..1]	Date		1409
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1409
	Amount <Amt>	[0..1]	Amount		1410
	Currency <Ccy>	[0..1]	CodeSet	C1	1410
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1410
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1410
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		1410
	ShortDescription <ShrtDesc>	[0..1]	Text		1411
	LongDescription <LngDesc>	[0..1]	Text		1411

29.4.35 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		970
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		971

29.4.35.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

29.4.35.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

29.4.36 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

29.4.37 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

29.4.38 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

29.4.39 Benefits <Bnfts>

Presence: [0..*]

Definition: Contain benefit supporting data.

Benefits <Bnfts> contains the following elements (see "[BenefitSupportingData1](#)" on page 1580 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <AdmstrId>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <PrvdrId>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

29.4.40 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original response code.

Datatype: "[ISO8583ResponseCode](#)" on page 2127

29.4.41 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

29.4.42 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		975
	Exemption <Xmptn>	[0..*]			975
	Type <Tp>	[1..1]	CodeSet		975
	Value <Val>	[1..1]	CodeSet		976
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		976
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		976
	Waiver <Wvr>	[0..1]	CodeSet		977
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		977

29.4.42.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

29.4.42.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		975
	Value <Val>	[1..1]	CodeSet		976
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		976

29.4.42.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: ["Exemption2Code"](#) on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

29.4.42.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

29.4.42.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

29.4.42.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

29.4.42.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

29.4.42.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

29.4.43 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		978
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		978
	DerivedInformation <DrvdInf>	[0..1]	Text		978
	Algorithm <Algo>	[0..1]	Text		979
	KeyLength <KeyLngth>	[0..1]	Text		979
	KeyProtection <KeyPrtc>	[0..1]	Text		979
	KeyIndex <KeyIndx>	[0..1]	Text		979
	PaddingMethod <PddgMtd>	[0..1]	Text		979
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		979
	EncryptedElement <NcrptdElmt>	[1..*]			980
	Identification <Id>	[0..1]	Text		980
	Data <Data>	[1..1]			980
{Or	Binary <Binry>	[1..1]	Binary		980
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		980
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		981
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		981

29.4.43.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

29.4.43.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

29.4.43.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

29.4.43.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

29.4.43.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

29.4.43.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

29.4.43.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

29.4.43.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

29.4.43.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

29.4.43.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		980
	Data <Data>	[1..1]			980
{Or	Binary <Binry>	[1..1]	Binary		980
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		980
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		981
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		981

29.4.43.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

29.4.43.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		980
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		980

29.4.43.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

29.4.43.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

29.4.43.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

29.4.43.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

29.4.44 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

29.4.45 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

29.4.46 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

30 **cain.020.001.04** **AmendmentV04**

30.1 **MessageDefinition Functionality**

The Amendment message can be initiated by any party and received by any party (acquirer, agent or issuer).

This message is used to inform the originator that the original message has been corrected/amended and then forwarded to the destination on behalf of the originator. It contains a copy of the original message and any errors found. It may also contain any corrections and/or amendments that were made to the original message.

Outline

The AmendmentV04 MessageDefinition is composed of 17 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Originator
Information related to the originator.
- C. Sender
Information related to the sender.
- D. Receiver
Information related to the receiver.
- E. Destination
Information related to the destination.
- F. Programme
Programme, network, or brand processes the transaction.
- G. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
- H. SettlementService
Type of settlement service for specific services requiring settlement.
- I. Reconciliation
Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- J. AmendedData
Detailed description of an error that caused the message to be corrected/amended. Transmitted for further analysis.
- K. TransactionIdentification

Identification of the transaction.

L. OriginalMessage

Original message before correction/amendment.

M. MessageAmended

Message amended.

N. ProtectedData

Contains protected data and the attributes used to protect the data.

O. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

P. NationalData

Reserved to define data unique to the country applications.

Q. SecurityTrailer

Trailer of the message containing a MAC

30.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <Amdmnt>	[1..1]			
	Header <Hdr>	[1..1]	±		986
	Originator <Orgtr>	[0..1]	±		986
	Sender <Sndr>	[0..1]	±		987
	Receiver <Rcvr>	[0..1]	±		987
	Destination <Dstn>	[0..1]	±		988
	Programme <Prgrmm>	[0..*]	±		988
	Jurisdiction <Jursdctn>	[0..1]			989
	DomesticIndicator <DmstInd>	[0..1]	Indicator		989
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		989
	SettlementService <SttlmSvc>	[0..1]	±		989
	Reconciliation <Rcncltn>	[0..1]	±		990
	AmendedData <AmddData>	[1..*]	(External Schema)		990
	TransactionIdentification <TxId>	[1..1]	±		991
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		992
	MessageAmended <MsgAmdd>	[0..1]	Binary		992
	ProtectedData <PrtctdData>	[0..*]			992
	Control <Ctrl>	[0..1]	Text		992
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		993
	DerivedInformation <DrvdInf>	[0..1]	Text		993
	Algorithm <Algo>	[0..1]	Text		993
	KeyLength <KeyLngth>	[0..1]	Text		993
	KeyProtection <KeyPrtcn>	[0..1]	Text		993
	KeyIndex <KeyIndx>	[0..1]	Text		993
	PaddingMethod <PddgMtd>	[0..1]	Text		994
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		994
	EncryptedElement <NcrptdElmt>	[1..*]			994
	Identification <Id>	[0..1]	Text		994
	Data <Data>	[1..1]			994
{Or	Binary <Binry>	[1..1]	Binary		995

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		995
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		995
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		995
	PrivateData <PrvtData>	[0..*]	(External Schema)		995
	NationalData <NtlData>	[0..*]	(External Schema)		996
	SecurityTrailer <SctyTrlr>	[0..1]	±		996

30.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

30.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

30.3.2 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

30.3.3 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

30.3.4 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

30.3.5 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

30.3.6 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

30.3.7 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		989
	DomesticQualification <DmstQlfctn>	[0..1]	Text		989

30.3.7.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

30.3.7.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "[Max35Text](#)" on page 2163

30.3.8 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

30.3.9 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "[Reconciliation5](#)" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

30.3.10 AmendedData <AmddData>

Presence: [1..*]

Definition: Detailed description of an error that caused the message to be corrected/amended. Transmitted for further analysis.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

30.3.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification59](#)" on page 2028 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[1..1]	Date		2029
	LocalTime <LclTm>	[0..1]	Time		2029
	TimeZone <TmZone>	[0..1]	Text		2029
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2029
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2030
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2030
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2030
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2030
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2030
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2030
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2030
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2031
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2031
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2031
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2031
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2031
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2031
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2031
	AssociatedData <AssoctdData>	[0..1]	Indicator		2031
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2032
	AssociatedDataDestination <AssoctdDataDstr>	[0..1]	Text		2032
	PrivateData <PrvtData>	[0..*]	(External Schema)		2032
	NationalData <NtlData>	[0..*]	(External Schema)		2032

30.3.12 OriginalMessage <OrgnIMsg>

Presence: [0..1]

Definition: Original message before correction/amendment.

Datatype: "Max100KBinary" on page 2097

30.3.13 MessageAmended <MsgAmdd>

Presence: [0..1]

Definition: Message amended.

Datatype: "Max100KBinary" on page 2097

30.3.14 ProtectedData <PrctcdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		992
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		993
	DerivedInformation <DrvdInf>	[0..1]	Text		993
	Algorithm <Algo>	[0..1]	Text		993
	KeyLength <KeyLngth>	[0..1]	Text		993
	KeyProtection <KeyPrtc>	[0..1]	Text		993
	KeyIndex <KeyIndx>	[0..1]	Text		993
	PaddingMethod <PddgMtd>	[0..1]	Text		994
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		994
	EncryptedElement <NcrptdElmt>	[1..*]			994
	Identification <Id>	[0..1]	Text		994
	Data <Data>	[1..1]			994
{Or	Binary <Binry>	[1..1]	Binary		995
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		995
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		995
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		995

30.3.14.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

30.3.14.2 KeySetIdentifier <KeySetldr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

30.3.14.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

30.3.14.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

30.3.14.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

30.3.14.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

30.3.14.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

30.3.14.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

30.3.14.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

30.3.14.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		994
	Data <Data>	[1..1]			994
{Or	Binary <Binry>	[1..1]	Binary		995
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		995
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		995
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		995

30.3.14.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

30.3.14.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		995
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		995

30.3.14.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

30.3.14.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

30.3.14.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

30.3.14.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

30.3.15 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

30.3.16 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

30.3.17 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on [page 2066](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

31 **cain.021.001.04**

RetrievalInitiationV04

31.1 MessageDefinition Functionality

The RetrievalInitiation message is sent by an issuer or agent to an acquirer to retrieve the original transaction details.

Outline

The RetrievalInitiationV04 MessageDefinition is composed of 34 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator of the transaction.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. Acceptor
Card acceptor performing the card transaction.

N. Transactor

Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

O. Terminal

Payment terminal or ATM performing the transaction.

P. Context

Context of the transaction.

Q. Payer

The party providing source of funds.

R. Payee

The party receiving funds.

S. Token

Details of payment token.

T. Wallet

Container for tenders used by the customer to perform the payment transaction.

U. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. DisputeData

Information about the dispute.

A RetrievalFulfilmentInstructions

A. Fulfilment request instructions for the retrieval.

AB OriginalTransaction

· Contains details of the original transaction.

AC RetrievalFulfilmentDestination

· Destination ID or routing information of Retrieval fulfilment initiation message.

A ProcessingResult

D.

Outcome of the processing of the authorisation.

AE ProtectedData

- Contains protected data and the attributes used to protect the data.

AF PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

A NationalData

- G. Reserved to define data unique to the country applications.

A SecurityTrailer

- H. Trailer of the message containing a MAC.

31.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <Rtrvllnitr>	[1..1]			
	Header <Hdr>	[0..1]	±		1002
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1002
	Originator <Orgtr>	[0..1]	±		1003
	Acquirer <Acqrr>	[1..1]	±		1003
	Sender <Sndr>	[0..1]	±		1004
	Card <Card>	[0..1]	±		1004
	Receiver <Rcvr>	[0..1]	±		1005
	Issuer <Issr>	[0..1]	±		1006
	Destination <Dstin>	[0..1]	±		1006
	Programme <Prgrmm>	[0..*]	±		1007
	TransactionIdentification <Txld>	[0..1]	±		1007
	ConversionDateTime <ConvsDtTm>	[0..1]			1008
	Date <Dt>	[1..1]	Date		1008
	Time <Tm>	[0..1]	Time		1009
	Acceptor <Accptr>	[0..1]	±		1009
	Transactor <Txtr>	[0..1]	±		1009
	Terminal <Termnl>	[0..1]	±		1010
	Context <Cntxt>	[0..1]	±		1010
	Payer <Pyer>	[0..1]	±		1012
	Payee <Pyee>	[0..1]	±		1013
	Token <Tkn>	[0..1]	±		1014
	Wallet <Wllt>	[0..1]	±		1015
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1016
	Jurisdiction <Jursdctn>	[0..1]			1017
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		1017
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1017
	SettlementService <SttlmSvc>	[0..1]	±		1017
	AdditionalFee <AddtlFee>	[0..*]	±		1018
	Reconciliation <Rcncltn>	[0..1]	±		1019

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DisputeData <DsptData>	[1..*]	±		1019
	RetrievalFulfilmentInstructions <RtrvIFlfmtInstrs>	[0..*]	(External Schema)		1020
	OriginalTransaction <OrgnlTx>	[0..1]	±		1020
	RetrievalFulfilmentDestination <RtrvIFlfmtDstrn>	[0..1]	±		1022
	ProcessingResult <PrpgRslt>	[0..1]	±		1023
	ProtectedData <PrctcdData>	[0..*]			1023
	Control <Ctrl>	[0..1]	Text		1024
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1024
	DerivedInformation <DrvdInf>	[0..1]	Text		1024
	Algorithm <Algo>	[0..1]	Text		1025
	KeyLength <KeyLngth>	[0..1]	Text		1025
	KeyProtection <KeyPrtcn>	[0..1]	Text		1025
	KeyIndex <KeyIndx>	[0..1]	Text		1025
	PaddingMethod <PddgMtd>	[0..1]	Text		1025
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1025
	EncryptedElement <NcrptdElmt>	[1..*]			1026
	Identification <Id>	[0..1]	Text		1026
	Data <Data>	[1..1]			1026
{Or	Binary <Binry>	[1..1]	Binary		1026
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1026
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1027
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1027
	PrivateData <PrvtData>	[0..*]	(External Schema)		1027
	NationalData <NtlData>	[0..*]	(External Schema)		1027
	SecurityTrailer <SctyTrlr>	[0..1]	±		1027

31.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

31.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

31.4.1 Header <Hdr>

Presence: [0..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

31.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

31.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

31.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

31.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

31.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

31.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

31.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

31.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

31.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

31.4.11 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

31.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1008
	Time <Tm>	[0..1]	Time		1009

31.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

31.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

31.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

31.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

31.4.15 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal12" on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

31.4.16 Context <Cntxt>

Presence: [0..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following elements (see "Context30" on page 1786 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1788
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1789
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1789
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1789
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1789
	CardPresent <CardPres>	[0..1]	Indicator		1790
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1790
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1790
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1790
	Transit <Trnst>	[0..1]	Indicator		1791
	Attended <Attndd>	[0..1]	Indicator		1791
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1791
	ECommerce <EComrc>	[0..1]	Indicator		1791
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1792
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1792
	ECommerceData <EComrcData>	[0..*]			1792
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1792
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1793
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1793
	NoShow <NoShow>	[0..1]	Indicator		1793
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1793
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1793
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1793
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1794
	DeferredDelivery <Dfrddlrvy>	[0..1]	Indicator		1794
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1794
	SplitPayment <Spltpmt>	[0..1]	Indicator		1795
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1795
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1795

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StorageLocation <StorgLctn>	[0..1]	Text		1796
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1796
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1796
	CaptureDate <CaptrDt>	[0..1]	Date		1797
	DateAnticipated <DtAntcptd>	[0..1]	Date		1797
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1797
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1797
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1797
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1797
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1798
	ReceiptRequest <RctReq>	[0..1]	Indicator		1798
	ReceiptType <RctTp>	[0..*]	CodeSet		1798
	ReceiptDestination <RctDstn>	[0..1]	Text		1799
	PrivateData <PrvtData>	[0..*]	(External Schema)		1799
	NationalData <NtlData>	[0..*]	(External Schema)		1799

31.4.17 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

31.4.18 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

31.4.19 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

31.4.20 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

31.4.21 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

31.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1017
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1017

31.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

31.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

31.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

31.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

31.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

31.4.26 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData5" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

31.4.27 RetrievalFulfilmentInstructions <RtrvFIflmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

31.4.28 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvsvDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

31.4.29 RetrievalFulfilmentDestination <RtrvFIfmtDstn>

Presence: [0..1]

Definition: Destination ID or routing information of Retrieval fulfilment initiation message.

RetrievalFulfilmentDestination <RtrvIfmtDstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

31.4.30 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult31" on page 2080 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2081
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2081
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2081
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2081
	ResponseCode <RspnCd>	[0..1]	CodeSet		2081
	ActionCode <ActnCd>	[0..1]	CodeSet		2082
	ApprovalCode <ApprvlCd>	[0..1]	Text		2082
	ResponseReason <RspnRsn>	[0..1]	Text		2082
	PrivateData <PrvtData>	[0..*]	(External Schema)		2082
	NationalData <NtlData>	[0..*]	(External Schema)		2082

31.4.31 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1024
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1024
	DerivedInformation <DrvdInf>	[0..1]	Text		1024
	Algorithm <Algo>	[0..1]	Text		1025
	KeyLength <KeyLngth>	[0..1]	Text		1025
	KeyProtection <KeyPrtc>	[0..1]	Text		1025
	KeyIndex <KeyIndx>	[0..1]	Text		1025
	PaddingMethod <PddgMtd>	[0..1]	Text		1025
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1025
	EncryptedElement <NcrptdElmt>	[1..*]			1026
	Identification <Id>	[0..1]	Text		1026
	Data <Data>	[1..1]			1026
{Or	Binary <Binry>	[1..1]	Binary		1026
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1026
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1027
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1027

31.4.31.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

31.4.31.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

31.4.31.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

31.4.31.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

31.4.31.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

31.4.31.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

31.4.31.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

31.4.31.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

31.4.31.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

31.4.31.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1026
	Data <Data>	[1..1]			1026
{Or	Binary <Binry>	[1..1]	Binary		1026
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1026
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1027
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1027

31.4.31.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

31.4.31.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1026
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1026

31.4.31.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

31.4.31.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

31.4.31.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

31.4.31.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

31.4.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

31.4.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

31.4.34 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

32 cain.022.001.04 RetrievalResponseV04

32.1 MessageDefinition Functionality

The RetrievalResponse message is sent by an acquirer to an issuer or agent in response to an RetrievalInitiation message.

Outline

The RetrievalResponseV04 MessageDefinition is composed of 33 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. Acceptor
Card acceptor performing the card transaction.

N. Transactor

Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

O. Terminal

Payment terminal or ATM performing the transaction.

P. Context

Context of the transaction.

Q. Payer

The party providing source of funds.

R. Payee

The party receiving funds.

S. Token

Details of payment token.

T. Wallet

Container for tenders used by the customer to perform the payment transaction.

U. SpecialProgrammeQualification

Data to qualify for incentive or other related programmes.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. DisputeData

Information about the dispute.

A RetrievalFulfilmentInstructions

A. Fulfilment request instructions for the retrieval.

AB ProcessingResult

· Outcome of the processing of the authorisation.

AC OriginalResponseCode

· Original Response code.

A ProtectedData

D.

Contains protected data and the attributes used to protect the data.

AE PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AF NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- G. Trailer of the message containing a MAC.

32.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvlRspn>	[1..1]			
	Header <Hdr>	[0..1]	±		1034
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1034
	Originator <Orgtr>	[0..1]	±		1035
	Acquirer <Acqrr>	[1..1]	±		1035
	Sender <Sndr>	[0..1]	±		1036
	Card <Card>	[0..1]	±		1036
	Receiver <Rcvr>	[0..1]	±		1037
	Issuer <Issr>	[0..1]	±		1038
	Destination <Dstin>	[0..1]	±		1038
	Programme <Prgrmm>	[0..*]	±		1039
	TransactionIdentification <Txld>	[0..1]	±		1039
	ConversionDateTime <ConvsDtTm>	[0..1]			1040
	Date <Dt>	[1..1]	Date		1040
	Time <Tm>	[0..1]	Time		1041
	Acceptor <Accptr>	[0..1]	±		1041
	Transactor <Txtr>	[0..1]	±		1041
	Terminal <Termnl>	[0..1]	±		1042
	Context <Cntxt>	[0..1]	±		1042
	Payer <Pyer>	[0..1]	±		1044
	Payee <Pyee>	[0..1]	±		1045
	Token <Tkn>	[0..1]	±		1046
	Wallet <Wllt>	[0..1]	±		1047
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1048
	Jurisdiction <Jursdctn>	[0..1]			1049
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		1049
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1049
	SettlementService <SttlmSvc>	[0..1]	±		1049
	AdditionalFee <AddtlFee>	[0..*]	±		1050
	Reconciliation <Rcncltn>	[0..1]	±		1051

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DisputeData <DsptData>	[1..*]	±		1051
	RetrievalFulfilmentInstructions <RtrvIFlfmtInstrs>	[0..*]	(External Schema)		1052
	ProcessingResult <PrcgRslt>	[1..1]	±		1052
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		1053
	ProtectedData <PrctcdData>	[0..*]			1053
	Control <Ctrl>	[0..1]	Text		1054
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1054
	DerivedInformation <DrvdInf>	[0..1]	Text		1054
	Algorithm <Algo>	[0..1]	Text		1055
	KeyLength <KeyLngth>	[0..1]	Text		1055
	KeyProtection <KeyPrtcn>	[0..1]	Text		1055
	KeyIndex <KeyIndx>	[0..1]	Text		1055
	PaddingMethod <PddgMtd>	[0..1]	Text		1055
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1055
	EncryptedElement <NcrptdElmt>	[1..*]			1056
	Identification <Id>	[0..1]	Text		1056
	Data <Data>	[1..1]			1056
{Or	Binary <Binry>	[1..1]	Binary		1056
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1056
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1057
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1057
	PrivateData <PrvtData>	[0..*]	(External Schema)		1057
	NationalData <NtlData>	[0..*]	(External Schema)		1057
	SecurityTrailer <SctyTrlr>	[0..1]	±		1057

32.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

32.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

32.4.1 Header <Hdr>

Presence: [0..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

32.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

32.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

32.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

32.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

32.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

32.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

32.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

32.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

32.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

32.4.11 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

32.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1040
	Time <Tm>	[0..1]	Time		1041

32.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

32.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

32.4.13 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

32.4.14 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

32.4.15 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12" on page 1984](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

32.4.16 Context <Cntxt>

Presence: [0..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following elements (see "Context30" on page 1786 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1788
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1789
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1789
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1789
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1789
	CardPresent <CardPres>	[0..1]	Indicator		1790
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1790
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1790
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1790
	Transit <Trnst>	[0..1]	Indicator		1791
	Attended <Attndd>	[0..1]	Indicator		1791
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1791
	ECommerce <EComrc>	[0..1]	Indicator		1791
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1792
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1792
	ECommerceData <EComrcData>	[0..*]			1792
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1792
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1793
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1793
	NoShow <NoShow>	[0..1]	Indicator		1793
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1793
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1793
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1793
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1794
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1794
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1794
	SplitPayment <Spltpmt>	[0..1]	Indicator		1795
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1795
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1795

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StorageLocation <StorgLctn>	[0..1]	Text		1796
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1796
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1796
	CaptureDate <CaptrDt>	[0..1]	Date		1797
	DateAnticipated <DtAntcptd>	[0..1]	Date		1797
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1797
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1797
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1797
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1797
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1798
	ReceiptRequest <RctReq>	[0..1]	Indicator		1798
	ReceiptType <RctTp>	[0..*]	CodeSet		1798
	ReceiptDestination <RctDstn>	[0..1]	Text		1799
	PrivateData <PrvtData>	[0..*]	(External Schema)		1799
	NationalData <NtlData>	[0..*]	(External Schema)		1799

32.4.17 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

32.4.18 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

32.4.19 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

32.4.20 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

32.4.21 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

32.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1049
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1049

32.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

32.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text" on page 2163](#)

32.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

32.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

32.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

32.4.26 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData5" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

32.4.27 RetrievalFulfilmentInstructions <RtrvFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

32.4.28 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

32.4.29 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

32.4.30 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1054
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1054
	DerivedInformation <DrvdInf>	[0..1]	Text		1054
	Algorithm <Algo>	[0..1]	Text		1055
	KeyLength <KeyLngth>	[0..1]	Text		1055
	KeyProtection <KeyPrtc>	[0..1]	Text		1055
	KeyIndex <KeyIndx>	[0..1]	Text		1055
	PaddingMethod <PddgMtd>	[0..1]	Text		1055
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1055
	EncryptedElement <NcrptdElmt>	[1..*]			1056
	Identification <Id>	[0..1]	Text		1056
	Data <Data>	[1..1]			1056
{Or	Binary <Binry>	[1..1]	Binary		1056
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1056
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1057
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1057

32.4.30.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

32.4.30.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

32.4.30.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

32.4.30.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

32.4.30.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

32.4.30.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

32.4.30.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

32.4.30.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

32.4.30.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

32.4.30.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1056
	Data <Data>	[1..1]			1056
{Or	Binary <Binry>	[1..1]	Binary		1056
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1056
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1057
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1057

32.4.30.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

32.4.30.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1056
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1056

32.4.30.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

32.4.30.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

32.4.30.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

32.4.30.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

32.4.31 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

32.4.32 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

32.4.33 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

33 cain.023.001.04 CardManagementInitiationV04

33.1 MessageDefinition Functionality

The CardManagementInitiation message is sent by the acquirer to an issuer or agent to fulfil a request initiated by the cardholder at the point of service for an operation on the card account.

Outline

The CardManagementInitiationV04 MessageDefinition is composed of 43 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. AccountFrom
Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.
- H. AccountTo
Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.
- I. Receiver
Information related to the receiver.
- J. Issuer
Information related to the issuer.
- K. Destination
Information related to the destination.
- L. Programme
Programme, network, or brand processes the transaction.
- M. TransactionIdentification

Identification of the transaction.

N. NewPINData

Encrypted new Personal Identification Number (PIN) and related information.

O. ConversionDateTime

Date and Time of currency conversion.

P. ExchangeRate

Further detailed information on the exchange rates that have been used in or are related to the transaction.

Q. TransactionAmounts

Amounts of the card transaction.

R. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

S. OriginalDataElements

Data elements contained in the original message.

T. Acceptor

Card acceptor performing the card transaction.

U. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

V. Terminal

Payment terminal or ATM performing the transaction.

W. POIComponent

Data related to the components of the POI (Point Of Interaction) performing the transactions.

X. Context

Contains or describes conditions and characteristics of the transaction.

Y. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Z. AuthenticationData

Contain information related to authentication.

A Token

A. Details of payment token.

AB CustomerDevice

· Identification of the customer device performing the transaction.

AC Wallet

· Container for tenders used by the customer to perform the payment transaction.

- A Cardholder
- D. Cardholder performing the card payment transaction.
- AE Verification
 - Contain validation result and/or data to be validated.
- AF Risk
 - Context of risk associated with the transaction.
- A AdditionalService
- G. Additional functions or services to be performed in conjunction with the transaction.
- A Jurisdiction
- H. Contains information that identifies or is specific to a transaction jurisdiction.
- AI. SettlementService
 - Type of settlement service for specific services requiring settlement.
- AJ. AdditionalFee
 - Fees not included in the transaction amount.
- A Reconciliation
- K. Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- AL ProcessingResult
 - Outcome of the processing of the authorisation.
- A StrongCustomerAuthentication
- M. EU PSD2 Strong Consumer Authentication data.
- A ProtectedData
- N. Contains protected data and the attributes used to protect the data.
- A PrivateData
- O. Reserved for private data. The use of this data element is determined by bilateral agreement.
- AP NationalData
 - Reserved to define data unique to the country applications.
- A SecurityTrailer
- Q. Trailer of the message containing a MAC.

33.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <CardMgmtInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		1066
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		1066
	Originator <Orgtr>	[0..1]	±		1067
	Acquirer <Acqrr>	[1..1]	±		1067
	Sender <Sndr>	[0..1]	±		1068
	Card <Card>	[0..1]	±		1068
	AccountFrom <AcctFr>	[0..1]	±		1069
	AccountTo <AcctTo>	[0..1]	±		1070
	Receiver <Rcvr>	[0..1]	±		1070
	Issuer <Issr>	[0..1]	±		1071
	Destination <Dstn>	[0..1]	±		1071
	Programme <Prgrmm>	[0..1]	±		1071
	TransactionIdentification <TxId>	[1..1]	±		1072
	NewPINData <NewPINData>	[0..1]	±		1073
	ConversionDateTime <ConvsDtTm>	[0..1]			1074
	Date <Dt>	[1..1]	Date		1074
	Time <Tm>	[0..1]	Time		1074
	ExchangeRate <XchgRate>	[0..*]			1074
	Provider <Prvdr>	[0..1]	Text		1075
	Identification <Id>	[0..1]	Text		1075
	Date <Dt>	[0..1]	Date		1075
	Time <Tm>	[0..1]	Time		1075
	EndPoint <EndPt>	[0..1]	CodeSet		1076
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1076
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1076
	Rate <Rate>	[0..1]	Rate		1076
	RateType <RateTp>	[0..1]	CodeSet		1076
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1077
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1077

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1077
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1077
	TransactionAmounts <TxAmts>	[0..1]	±		1078
	AdditionalAmount <AddtlAmt>	[0..*]	±		1078
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1078
	Acceptor <Accptr>	[1..1]	±		1079
	Transactor <Txtr>	[0..1]	±		1081
	Terminal <Termnl>	[0..1]	±		1081
	POIComponent <POICmpnt>	[0..*]	±		1083
	Context <Cntxt>	[1..1]	±		1083
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		1085
	AuthenticationData <AuthntcnData>	[0..1]			1085
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1087
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1087
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1087
	MessageVersion <MsgVrsn>	[0..1]	Text		1087
	XID <XID>	[0..1]	Binary		1087
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1087
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1088
	MessageCategory <MsgCtgy>	[0..1]	Text		1088
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1088
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1088
	DeviceInformation <DvcInf>	[0..1]	Text		1088
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1088
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1088
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1089
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		1089
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		1089
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		1089
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1089
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1089

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1090
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1090
	DeviceIdentification <DvcId>	[0..*]	Text		1090
	DeviceType <DvcTp>	[0..*]	Text		1090
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1090
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1090
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1090
	SessionIdentification <SsnId>	[0..1]	Text		1090
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1091
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1091
	DataQuality <DataQlty>	[0..1]	Indicator		1091
	Programme <Prgrmm>	[0..1]	Text		1091
	PrivateData <PrvtData>	[0..*]	(External Schema)		1091
	NationalData <NtlData>	[0..*]	(External Schema)		1091
	Token <Tkn>	[0..1]	±		1092
	CustomerDevice <CstmrDvc>	[0..1]	±		1093
	Wallet <Wlt>	[0..1]	±		1094
	Cardholder <Crhdldr>	[0..*]	±		1095
	Verification <Vrfctn>	[0..*]	±		1096
	Risk <Rsk>	[0..*]	±		1097
	AdditionalService <AddtlSvc>	[0..*]	±		1097
	Jurisdiction <Jursdctn>	[0..1]			1098
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1098
	DomesticQualification <DmstQlftcn>	[0..1]	Text		1098
	SettlementService <SttlmSvc>	[0..1]	±		1098
	AdditionalFee <AddtlFee>	[0..*]	±		1099
	Reconciliation <Rcncltn>	[0..1]	±		1100
	ProcessingResult <PrcgRslt>	[0..1]	±		1100
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			1101
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		1101
	Exemption <Xmptn>	[0..*]			1102

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1102
	Value <Val>	[1..1]	CodeSet		1103
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1103
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		1103
	Waiver <Wvr>	[0..1]	CodeSet		1103
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		1103
	ProtectedData <PrctcdData>	[0..*]			1104
	Control <Ctrl>	[0..1]	Text		1104
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1104
	DerivedInformation <DrvdInf>	[0..1]	Text		1105
	Algorithm <Algo>	[0..1]	Text		1105
	KeyLength <KeyLngth>	[0..1]	Text		1105
	KeyProtection <KeyPrctn>	[0..1]	Text		1105
	KeyIndex <KeyIndx>	[0..1]	Text		1105
	PaddingMethod <PddgMtd>	[0..1]	Text		1105
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1106
	EncryptedElement <NcrptdElmt>	[1..*]			1106
	Identification <Id>	[0..1]	Text		1106
	Data <Data>	[1..1]			1106
{Or	Binary <Binry>	[1..1]	Binary		1106
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1107
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1107
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1107
	PrivateData <PrvtData>	[0..*]	(External Schema)		1107
	NationalData <NtlData>	[0..*]	(External Schema)		1107
	SecurityTrailer <SctyTrlr>	[0..1]	±		1108

33.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

33.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

33.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

33.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

33.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

33.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

33.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

33.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData16" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <PrtlfIdr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

33.4.7 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

33.4.8 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see ["AccountDetails4"](#) on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

33.4.9 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see ["ReceiverData1"](#) on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

33.4.10 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

33.4.11 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

33.4.12 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

33.4.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

33.4.14 NewPINData <NewPINData>

Presence: [0..1]

Definition: Encrypted new Personal Identification Number (PIN) and related information.

NewPINData <NewPINData> contains the following elements (see "PINData1" on page 1963 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1963
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1963
	DerivedInformation <DrvdInf>	[0..1]	Text		1964
	Algorithm <Algo>	[0..1]	Text		1964
	KeyLength <KeyLngth>	[0..1]	Text		1964
	KeyProtection <KeyPrctn>	[0..1]	Text		1964
	KeyIndex <KeyIdx>	[0..1]	Text		1964
	PINBlockFormat <PINBlckFrmt>	[1..1]	Text		1965
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1965

33.4.15 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1074
	Time <Tm>	[0..1]	Time		1074

33.4.15.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

33.4.15.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

33.4.16 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		1075
	Identification <Id>	[0..1]	Text		1075
	Date <Dt>	[0..1]	Date		1075
	Time <Tm>	[0..1]	Time		1075
	EndPoint <EndPt>	[0..1]	CodeSet		1076
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1076
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1076
	Rate <Rate>	[0..1]	Rate		1076
	RateType <RateTp>	[0..1]	CodeSet		1076
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1077
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1077
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1077
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1077

33.4.16.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

33.4.16.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

33.4.16.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

33.4.16.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

33.4.16.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

33.4.16.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

33.4.16.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

33.4.16.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

33.4.16.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

33.4.16.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["ExchangeRateAgreementType2Code" on page 2115](#)

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

33.4.16.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.16.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.16.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.17 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts6](#)" on page 1399 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1399
	Amount <Amt>	[0..1]	Amount		1400
	Currency <Ccy>	[0..1]	CodeSet	C1	1400
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1400
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1400
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1401
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1401
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1401
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1401
	DetailedAmount <DtldAmt>	[0..*]	±		1401

33.4.18 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "[AdditionalAmounts5](#)" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

33.4.19 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements5" on page 2050 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2051
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2051
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2052
	SenderIdentification <Sndrld>	[0..1]	Text		2052
	TransactionType <TxTp>	[0..1]	CodeSet		2052
	TransactionIdentification <Txld>	[0..1]	±		2052
	ResponseCode <RspnCd>	[0..1]	CodeSet		2053

33.4.20 Acceptor <Accptr>

Presence: [1..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

33.4.21 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see ["TransactorData1" on page 1913](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

33.4.22 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal10" on page 1994 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalLineEncryptionCertified <TermnlLineNcrptnCrtfd>	[0..1]	Indicator		2003
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCrtfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

33.4.23 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

33.4.24 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context28" on page 1599 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1601
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1602
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1602
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1602
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		1603
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1603
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1603
	CardPresent <CardPres>	[0..1]	Indicator		1603
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1603
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1603
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1604
	Transit <Trnst>	[0..1]	Indicator		1604
	Attended <Attndd>	[0..1]	Indicator		1604
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1605
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1605
	ECommerce <EComrc>	[0..1]	Indicator		1605
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1605
	ECommerceData <EComrcData>	[0..*]			1605
	Type <Tp>	[1..1]	Text		1605
	Value <Val>	[1..1]	Text		1606
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1606
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1606
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1606
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1606
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1607
	NoShow <NoShow>	[0..1]	Indicator		1607
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1607
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1607
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1607
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1608
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1608

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1608
	SplitPayment <Spltpmt>	[0..1]	Indicator		1608
	PartialApprovalSupported <PrtlApprvlSpptd>	[0..1]	Indicator		1609
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1609
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1610
	StorageLocation <StorgLctn>	[0..1]	Text		1610
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1610
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1610
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1611
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1611
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1611
	MagneticStripeFallback <MgntcStrpFllbck>	[0..1]	Indicator		1611
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1612
	CaptureDate <CaptrDt>	[0..1]	Date		1612
	DateAnticipated <DtAntcptd>	[0..1]	Date		1612
	PrivateData <PrvtData>	[0..*]	(External Schema)		1612
	NationalData <NtlData>	[0..*]	(External Schema)		1612

33.4.25 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

33.4.26 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1087
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1087
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1087
	MessageVersion <MsgVrsn>	[0..1]	Text		1087
	XID <XID>	[0..1]	Binary		1087
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1087
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1088
	MessageCategory <MsgCtgy>	[0..1]	Text		1088
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1088
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1088
	DeviceInformation <DvcInf>	[0..1]	Text		1088
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1088
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1088
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1089
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		1089
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		1089
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		1089
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1089
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1089
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1090
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1090
	DeviceIdentification <DvcId>	[0..*]	Text		1090
	DeviceType <DvcTp>	[0..*]	Text		1090
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1090
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1090
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1090
	SessionIdentification <SsnId>	[0..1]	Text		1090
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1091
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1091
	DataQuality <DataQlty>	[0..1]	Indicator		1091

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		1091
	PrivateData <PrvtData>	[0..*]	(External Schema)		1091
	NationalData <NtlData>	[0..*]	(External Schema)		1091

33.4.26.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

33.4.26.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

33.4.26.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

33.4.26.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

33.4.26.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

33.4.26.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

33.4.26.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

33.4.26.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

33.4.26.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

33.4.26.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

33.4.26.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

33.4.26.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

33.4.26.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

33.4.26.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

33.4.26.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

33.4.26.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

33.4.26.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

33.4.26.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

33.4.26.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

33.4.26.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

33.4.26.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

33.4.26.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

33.4.26.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

33.4.26.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

33.4.26.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

33.4.26.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

33.4.26.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

33.4.26.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

33.4.26.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

33.4.26.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.26.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

33.4.26.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

33.4.26.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

33.4.27 **Token <Tkn>**

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

33.4.28 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

33.4.29 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

33.4.30 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <CrhdIdr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptn>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

33.4.31 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification8" on page 2090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <RsIt>	[0..1]	CodeSet		2094
	ResultDetails <RsItDtls>	[0..1]	(External Schema)		2094

33.4.32 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

33.4.33 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <RsIt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

33.4.34 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1098
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1098

33.4.34.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.34.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

33.4.35 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7" on page 2069](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

33.4.36 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

33.4.37 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

33.4.38 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult28" on page 2082 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

33.4.39 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		1101
	Exemption <Xmptn>	[0..*]			1102
	Type <Tp>	[1..1]	CodeSet		1102
	Value <Val>	[1..1]	CodeSet		1103
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1103
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		1103
	Waiver <Wvr>	[0..1]	CodeSet		1103
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfmd>	[0..1]	Text		1103

33.4.39.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

33.4.39.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1102
	Value <Val>	[1..1]	CodeSet		1103
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1103

33.4.39.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: "Exemption2Code" on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

33.4.39.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

33.4.39.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

33.4.39.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

33.4.39.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

33.4.39.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

33.4.40 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1104
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1104
	DerivedInformation <DrvdInf>	[0..1]	Text		1105
	Algorithm <Algo>	[0..1]	Text		1105
	KeyLength <KeyLngth>	[0..1]	Text		1105
	KeyProtection <KeyPrtc>	[0..1]	Text		1105
	KeyIndex <KeyIndx>	[0..1]	Text		1105
	PaddingMethod <PddgMtd>	[0..1]	Text		1105
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1106
	EncryptedElement <NcrptdElmt>	[1..*]			1106
	Identification <Id>	[0..1]	Text		1106
	Data <Data>	[1..1]			1106
{Or	Binary <Binry>	[1..1]	Binary		1106
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1107
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1107
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1107

33.4.40.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

33.4.40.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

33.4.40.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

33.4.40.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

33.4.40.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

33.4.40.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

33.4.40.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

33.4.40.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: ["Max2NumericText" on page 2162](#)

33.4.40.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: ["Max2NumericText" on page 2162](#)

33.4.40.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1106
	Data <Data>	[1..1]			1106
{Or	Binary <Binry>	[1..1]	Binary		1106
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1107
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1107
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1107

33.4.40.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: ["Max35Text" on page 2163](#)

33.4.40.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1106
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1107

33.4.40.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: ["Max100KBinary" on page 2097](#)

33.4.40.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

33.4.40.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

33.4.40.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

33.4.41 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

33.4.42 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

33.4.43 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on [page 2066](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

34 cain.024.001.04 CardManagementResponseV04

34.1 MessageDefinition Functionality

The CardManagementResponse message is sent by an issuer or an agent to an acquirer in response to a CardManagementInitiation message.

Outline

The CardManagementResponseV04 MessageDefinition is composed of 38 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. TransactionAmounts
Amounts of the card transaction.

N. AdditionalAmount

Amounts that are not part of the transaction amount and not included in reconciliation.

O. OriginalDataElements

Data elements contained in the original message.

P. Acceptor

Card acceptor performing the card transaction.

Q. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

R. Terminal

Payment terminal or ATM performing the transaction.

S. Context

Context in which the card transaction is performed.

T. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

U. AuthenticationData

Contain information related to authentication.

V. Token

Details of payment token.

W. CustomerDevice

Identification of the customer device performing the transaction.

X. Wallet

Container for tenders used by the customer to perform the payment transaction.

Y. Cardholder

Cardholder performing the card payment transaction.

Z. Verification

Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

A Risk

A. Context of risk associated with the transaction.

AB AdditionalService

· Additional functions or services to be performed in conjunction with the transaction.

AC Jurisdiction

· Contains information that identifies or is specific to a transaction jurisdiction.

- A SettlementService
- D. Type of settlement service for specific services requiring settlement.
- AE AdditionalFee
 - Fees not included in the transaction amount.
- AF Reconciliation
 - Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- A ProcessingResult
- G. Outcome of the processing of the authorisation.
- A StrongCustomerAuthentication
- H. EU PSD2 Strong Consumer Authentication data.
- AI. ProtectedData
 - Contains protected data and the attributes used to protect the data.
- AJ. PrivateData
 - Reserved for private data. The use of this data element is determined by bilateral agreement.
- A NationalData
- K. Reserved to define data unique to the country applications.
- AL SecurityTrailer
 - Trailer of the message containing a MAC

34.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <CardMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1115
	TransactionCharacteristics <TxChrtcs>	[1..1]	±		1116
	Originator <Orgtr>	[0..1]	±		1117
	Acquirer <Acqrr>	[1..1]	±		1117
	Sender <Sndr>	[0..1]	±		1117
	Card <Card>	[0..1]	±		1118
	Receiver <Rcvr>	[0..1]	±		1119
	Issuer <Issr>	[0..1]	±		1120
	Destination <Dstn>	[0..1]	±		1120
	Programme <Prgrmm>	[0..*]	±		1121
	TransactionIdentification <TxId>	[1..1]	±		1121
	ConversionDateTime <ConvsDtTm>	[0..1]			1122
	Date <Dt>	[1..1]	Date		1123
	Time <Tm>	[0..1]	Time		1123
	TransactionAmounts <TxAmts>	[0..1]	±		1123
	AdditionalAmount <AddtlAmt>	[0..*]	±		1123
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1124
	Acceptor <Accptr>	[0..1]	±		1124
	Transactor <Txtr>	[0..1]	±		1125
	Terminal <Termnl>	[0..1]	±		1126
	Context <Cntxt>	[0..1]	±		1126
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		1128
	AuthenticationData <AuthntcnData>	[0..1]			1128
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1130
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1130
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1130
	MessageVersion <MsgVrsn>	[0..1]	Text		1130
	XID <XID>	[0..1]	Binary		1130
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1130

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1131
	MessageCategory <MsgCtgy>	[0..1]	Text		1131
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1131
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1131
	DeviceInformation <DvcInf>	[0..1]	Text		1131
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1131
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1131
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1132
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		1132
	IntermediaryTransactionIdentifier <IntrmyTxIdr>	[0..1]	Text		1132
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxIdr>	[0..1]	Text		1132
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1132
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1132
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1133
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1133
	DeviceIdentification <DvcId>	[0..*]	Text		1133
	DeviceType <DvcTp>	[0..*]	Text		1133
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1133
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1133
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1133
	SessionIdentification <SsnId>	[0..1]	Text		1133
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1134
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1134
	DataQuality <DataQlty>	[0..1]	Indicator		1134
	Programme <Prgrmm>	[0..1]	Text		1134
	PrivateData <PrvtData>	[0..*]	(External Schema)		1134
	NationalData <NtlData>	[0..*]	(External Schema)		1134
	Token <Tkn>	[0..1]	±		1135
	CustomerDevice <CstmrDvc>	[0..1]	±		1136
	Wallet <Wllt>	[0..1]	±		1137
	Cardholder <Crhdldr>	[0..*]	±		1138

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Verification <Vrfctn>	[0..*]	±		1139
	Risk <Rsk>	[0..*]	±		1140
	AdditionalService <AddtlSvc>	[0..*]	±		1140
	Jurisdiction <Jursdctn>	[0..1]			1140
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1140
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1141
	SettlementService <SttlmSvc>	[0..1]	±		1141
	AdditionalFee <AddtlFee>	[0..*]	±		1141
	Reconciliation <Rcncltn>	[0..1]	±		1142
	ProcessingResult <PrcgRslt>	[0..1]	±		1142
	StrongCustomerAuthentication <StrngCstmrAuthntcn>	[0..1]			1143
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		1144
	Exemption <Xmptn>	[0..*]			1144
	Type <Tp>	[1..1]	CodeSet		1144
	Value <Val>	[1..1]	CodeSet		1145
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1145
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		1145
	Waiver <Wvr>	[0..1]	CodeSet		1146
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		1146
	ProtectedData <PrctcdData>	[0..*]			1146
	Control <Ctrl>	[0..1]	Text		1147
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1147
	DerivedInformation <DrvdInf>	[0..1]	Text		1147
	Algorithm <Algo>	[0..1]	Text		1148
	KeyLength <KeyLngth>	[0..1]	Text		1148
	KeyProtection <KeyPrtc>	[0..1]	Text		1148
	KeyIndex <KeyIndx>	[0..1]	Text		1148
	PaddingMethod <PddgMtd>	[0..1]	Text		1148
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1148
	EncryptedElement <NcrptdElmt>	[1..*]			1149
	Identification <Id>	[0..1]	Text		1149

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Data <Data>	[1..1]			1149
{Or	Binary <Binry>	[1..1]	Binary		1149
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1149
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1150
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1150
	PrivateData <PrvtData>	[0..*]	(External Schema)		1150
	NationalData <NtlData>	[0..*]	(External Schema)		1150
	SecurityTrailer <SctyTrlr>	[0..1]	±		1150

34.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

34.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

34.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see ["Header72"](#) on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

34.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [1..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see ["TransactionCharacteristics6"](#) on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

34.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

34.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

34.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

34.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlflldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

34.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

34.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

34.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

34.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

34.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification58" on page 2036 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

34.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1123
	Time <Tm>	[0..1]	Time		1123

34.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

34.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

34.4.13 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts6" on page 1399 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1399
	Amount <Amt>	[0..1]	Amount		1400
	Currency <Ccy>	[0..1]	CodeSet	C1	1400
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1400
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1400
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1401
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1401
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1401
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1401
	DetailedAmount <DtldAmt>	[0..*]	±		1401

34.4.14 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

34.4.15 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements5" on page 2050 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		2051
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2051
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2052
	SenderIdentification <Sndrld>	[0..1]	Text		2052
	TransactionType <TxTp>	[0..1]	CodeSet		2052
	TransactionIdentification <Txld>	[0..1]	±		2052
	ResponseCode <RspnCd>	[0..1]	CodeSet		2053

34.4.16 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

34.4.17 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

34.4.18 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12" on page 1984](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

34.4.19 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following elements (see "Context27" on page 1750 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1752
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1753
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1753
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1753
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1753
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1753
	CardPresent <CardPres>	[0..1]	Indicator		1753
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1754
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1754
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1754
	Transit <Trnst>	[0..1]	Indicator		1754
	Attended <Attndd>	[0..1]	Indicator		1755
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1755
	ECommerce <EComrc>	[0..1]	Indicator		1755
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1755
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1756
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1756
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1756
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1756
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1756
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1757
	NoShow <NoShow>	[0..1]	Indicator		1757
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1757
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1757
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1757
	PartialApprovalSupported <PrtlApprvlSpptd>	[0..1]	Indicator		1758
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1758
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1758
	DateAnticipated <DtAntcptd>	[0..1]	Date		1758
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1758
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1759
	StorageLocation <StorgLctn>	[0..1]	Text		1759
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1760
	PrivateData <PrvtData>	[0..*]	(External Schema)		1760
	NationalData <NtlData>	[0..*]	(External Schema)		1760

34.4.20 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

34.4.21 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1130
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1130
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1130
	MessageVersion <MsgVrsn>	[0..1]	Text		1130
	XID <XID>	[0..1]	Binary		1130
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1130
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1131
	MessageCategory <MsgCtgy>	[0..1]	Text		1131
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1131
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1131
	DeviceInformation <DvcInf>	[0..1]	Text		1131
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1131
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1131
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1132
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		1132
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		1132
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		1132
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1132
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1132
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1133
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1133
	DeviceIdentification <DvcId>	[0..*]	Text		1133
	DeviceType <DvcTp>	[0..*]	Text		1133
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1133
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1133
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1133
	SessionIdentification <SsnId>	[0..1]	Text		1133
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1134
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1134
	DataQuality <DataQlty>	[0..1]	Indicator		1134

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		1134
	PrivateData <PrvtData>	[0..*]	(External Schema)		1134
	NationalData <NtlData>	[0..*]	(External Schema)		1134

34.4.21.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

34.4.21.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

34.4.21.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

34.4.21.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

34.4.21.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

34.4.21.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

34.4.21.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

34.4.21.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

34.4.21.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

34.4.21.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

34.4.21.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

34.4.21.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

34.4.21.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

34.4.21.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

34.4.21.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

34.4.21.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

34.4.21.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

34.4.21.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

34.4.21.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

34.4.21.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

34.4.21.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

34.4.21.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

34.4.21.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

34.4.21.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

34.4.21.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

34.4.21.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

34.4.21.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

34.4.21.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

34.4.21.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

34.4.21.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

34.4.21.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

34.4.21.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

34.4.21.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

34.4.22 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

34.4.23 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

34.4.24 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

34.4.25 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

34.4.26 Verification <Vrfctn>

Presence: [0..*]

Definition: Method and data intended to be used for this transaction in order to authenticate or verify the cardholder or his card.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

34.4.27 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see ["RiskContext4"](#) on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

34.4.28 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see ["AdditionalService3"](#) on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

34.4.29 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1140
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1141

34.4.29.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

34.4.29.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

34.4.30 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

34.4.31 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

34.4.32 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

34.4.33 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

34.4.34 StrongCustomerAuthentication <StrngCstmrAuthntcn>

Presence: [0..1]

Definition: EU PSD2 Strong Consumer Authentication data.

StrongCustomerAuthentication <StrngCstmrAuthntcn> contains the following **StrongCustomerAuthentication2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubjectToSCA <SbjtToSCA>	[0..1]	Indicator		1144
	Exemption <Xmptn>	[0..*]			1144
	Type <Tp>	[1..1]	CodeSet		1144
	Value <Val>	[1..1]	CodeSet		1145
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1145
	DelegatedAuthority <DlgtdAuthrty>	[0..1]	CodeSet		1145
	Waiver <Wvr>	[0..1]	CodeSet		1146
	ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>	[0..1]	Text		1146

34.4.34.1 SubjectToSCA <SbjtToSCA>

Presence: [0..1]

Definition: Boolean flag indicating whether the transaction is subject to Strong Customer Authentication requirements (True) or not (False).

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

34.4.34.2 Exemption <Xmptn>

Presence: [0..*]

Definition: Strong customer authentication exemption detail.

Exemption <Xmptn> contains the following **Exemption2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1144
	Value <Val>	[1..1]	CodeSet		1145
	ReasonNotHonored <RsnNotHnrd>	[0..*]	Text		1145

34.4.34.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of the exemption.

Datatype: ["Exemption2Code"](#) on page 2116

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

34.4.34.2.2 Value <Val>

Presence: [1..1]

Definition: Status of the exemption.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

34.4.34.2.3 ReasonNotHonored <RsnNotHnrd>

Presence: [0..*]

Definition: Reason why the exemption claimed was not honoured.

Datatype: "Max4Text" on page 2165

34.4.34.3 DelegatedAuthority <DlgtdAuthrty>

Presence: [0..1]

Definition: Authentication performed by a delegated authority (for example by a wallet solution).

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

34.4.34.4 Waiver <Wvr>

Presence: [0..1]

Definition: Waiver claimed for a transaction subject to Strong Customer Authentication.

Datatype: "AttestationValue1Code" on page 2105

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

34.4.34.5 ReasonAuthenticationNotPerformed <RsnAuthntcnNotPrfrmd>

Presence: [0..1]

Definition: Reason why authentication was not performed.

Datatype: "Max4Text" on page 2165

34.4.35 ProtectedData <PrctcdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1147
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1147
	DerivedInformation <DrvdInf>	[0..1]	Text		1147
	Algorithm <Algo>	[0..1]	Text		1148
	KeyLength <KeyLngth>	[0..1]	Text		1148
	KeyProtection <KeyPrtc>	[0..1]	Text		1148
	KeyIndex <KeyIndx>	[0..1]	Text		1148
	PaddingMethod <PddgMtd>	[0..1]	Text		1148
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1148
	EncryptedElement <NcrptdElmt>	[1..*]			1149
	Identification <Id>	[0..1]	Text		1149
	Data <Data>	[1..1]			1149
{Or	Binary <Binry>	[1..1]	Binary		1149
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1149
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1150
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1150

34.4.35.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

34.4.35.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

34.4.35.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

34.4.35.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

34.4.35.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

34.4.35.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

34.4.35.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

34.4.35.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

34.4.35.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

34.4.35.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1149
	Data <Data>	[1..1]			1149
{Or	Binary <Binry>	[1..1]	Binary		1149
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1149
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1150
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1150

34.4.35.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

34.4.35.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1149
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1149

34.4.35.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

34.4.35.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

34.4.35.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

34.4.35.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

34.4.36 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

34.4.37 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

34.4.38 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

35 cain.025.001.04 AddendumInitiationV04

35.1 MessageDefinition Functionality

Provides supplemental data in addition to that which is required to complete an authorization initiation or financial initiation.

The supplemental data is associated with an authorization or financial message.

Outline

The AddendumInitiationV04 MessageDefinition is composed of 25 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. DataSource
Indicates the source of enhanced data.
- C. TransactionDescription
Transaction data related to programmes and services, content and format based on bilateral agreements.
- D. Originator
Information related to the originator.
- E. Acquirer
Information related to the acquirer.
- F. Sender
Information related to the sender.
- G. Card
Card or payment token performing the transaction.
- H. Receiver
Information related to the receiver.
- I. Issuer
Information related to the issuer.
- J. Destination
Information related to the destination.
- K. Programme
Programme, network, or brand actually applied to the transaction.
- L. TransactionIdentification
Identification of the transaction.

-
- M. Token
 - Details of payment token.
 - N. OriginalDataElements
 - Data elements contained in the original transaction
 - O. Acceptor
 - Card acceptor performing the card transaction.
 - P. Customer
 - Information about the customer.
 - Q. Jurisdiction
 - Contains information that identifies or is specific to a transaction jurisdiction.
 - R. SettlementService
 - Type of settlement service for specific services requiring settlement.
 - S. AdditionalFee
 - Fees not included in the transaction amount.
 - T. Reconciliation
 - Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
 - U. TransactionSpecificData
 - Component contains data structures applicable to certain industries that require specific data within transaction messages.
 - V. ProtectedData
 - Contains protected data and the attributes used to protect the data.
 - W. PrivateData
 - Reserved for private data. The use of this data element is determined by bilateral agreement.
 - X. NationalData
 - Reserved to define data unique to the country applications.
 - Y. SecurityTrailer
 - Trailer of the message containing a MAC.

35.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdddmInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		1155
	DataSource <DataSrc>	[0..1]	Text		1156
	TransactionDescription <TxDesc>	[0..1]	Text		1156
	Originator <Orgtr>	[0..1]	±		1156
	Acquirer <Acqrr>	[1..1]	±		1157
	Sender <Sndr>	[0..1]	±		1157
	Card <Card>	[0..1]	±		1158
	Receiver <Rcvr>	[0..1]	±		1158
	Issuer <Issr>	[0..1]	±		1159
	Destination <Dstin>	[0..1]	±		1159
	Programme <Prgrmm>	[0..*]	±		1160
	TransactionIdentification <TxId>	[1..1]	±		1160
	Token <Tkn>	[0..1]	±		1161
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1162
	Acceptor <Accptr>	[0..1]	±		1163
	Customer <Cstmr>	[0..1]	±		1165
	Jurisdiction <Jursdctn>	[0..1]			1165
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1165
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1165
	SettlementService <SttlmSvc>	[0..1]	±		1166
	AdditionalFee <AddtlFee>	[0..*]	±		1166
	Reconciliation <Rcncltn>	[0..1]	±		1167
	TransactionSpecificData <TxSpfcData>	[0..1]	±		1167
	ProtectedData <PrctcdData>	[0..*]			1168
	Control <Ctrl>	[0..1]	Text		1169
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1169
	DerivedInformation <DrvdInf>	[0..1]	Text		1169
	Algorithm <Algo>	[0..1]	Text		1170
	KeyLength <KeyLngth>	[0..1]	Text		1170

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyProtection <KeyPrtcn>	[0..1]	Text		1170
	KeyIndex <KeyIndx>	[0..1]	Text		1170
	PaddingMethod <PddgMtd>	[0..1]	Text		1170
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1170
	EncryptedElement <NcrptdElmt>	[1..*]			1171
	Identification <Id>	[0..1]	Text		1171
	Data <Data>	[1..1]			1171
{Or	Binary <Binry>	[1..1]	Binary		1171
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1171
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1172
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1172
	PrivateData <PrvtData>	[0..*]	(External Schema)		1172
	NationalData <NtlData>	[0..*]	(External Schema)		1172
	SecurityTrailer <SctyTrlr>	[0..1]	±		1172

35.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

35.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

35.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

35.4.2 DataSource <DataSrc>

Presence: [0..1]

Definition: Indicates the source of enhanced data.

Datatype: "Max70Text" on page 2167

35.4.3 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

35.4.4 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

35.4.5 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

35.4.6 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

35.4.7 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData14](#)" on page 1432 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1432
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1432
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1432
	PortfolioIdentifier <PrtlIdr>	[0..1]	Text		1433

35.4.8 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

35.4.9 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

35.4.10 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

35.4.11 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand actually applied to the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

35.4.12 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification62](#)" on page 2011 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2012
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2013
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2013
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2013
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2013
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2013
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2014
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2014
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2014
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2014
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2014
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2014
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2014
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2014
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2015
	PrivateData <PrvtData>	[0..*]	(External Schema)		2015
	NationalData <NtlData>	[0..*]	(External Schema)		2015

35.4.13 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

35.4.14 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original transaction

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <Acqrrld>	[0..1]	Text		2017
	SenderIdentification <Sndrld>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <Txld>	[0..1]	±		2017
	ConversionDateTime <ConvstDtM>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

35.4.15 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData1" on page 1925 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

35.4.16 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see ["Customer4"](#) on page 1965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

35.4.17 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1165
	DomesticQualification <DmstQlfcfn>	[0..1]	Text		1165

35.4.17.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

35.4.17.2 DomesticQualification <DmstQlfcfn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

35.4.18 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7" on page 2069](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

35.4.19 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

35.4.20 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

35.4.21 TransactionSpecificData <TxSpfcData>

Presence: [0..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

TransactionSpecificData <TxSpcfcData> contains the following elements (see
"TransactionSpecificData1" on page 1525 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Sale <Sale>	[0..1]	±		1526
	Fleet <Fleet>	[0..1]	±		1526
	Invoice <Invc>	[0..1]	±		1527
	TravelAgency <TrvlAgcy>	[0..*]	±		1529
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		1530
	VehicleRental <VhclRntl>	[0..*]	±		1532
	Lodging <Ldgg>	[0..*]	±		1534
	ShippingData <ShppgData>	[0..1]	±		1536
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		1537
	TemporaryServices <TempSvcs>	[0..*]	±		1538
	PrivateData <PrvtData>	[0..*]	(External Schema)		1540
	NationalData <NtlData>	[0..*]	(External Schema)		1540

35.4.22 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1169
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1169
	DerivedInformation <DrvdInf>	[0..1]	Text		1169
	Algorithm <Algo>	[0..1]	Text		1170
	KeyLength <KeyLngth>	[0..1]	Text		1170
	KeyProtection <KeyPrtc>	[0..1]	Text		1170
	KeyIndex <KeyIndx>	[0..1]	Text		1170
	PaddingMethod <PddgMtd>	[0..1]	Text		1170
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1170
	EncryptedElement <NcrptdElmt>	[1..*]			1171
	Identification <Id>	[0..1]	Text		1171
	Data <Data>	[1..1]			1171
{Or	Binary <Binry>	[1..1]	Binary		1171
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1171
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1172
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1172

35.4.22.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

35.4.22.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

35.4.22.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

35.4.22.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

35.4.22.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

35.4.22.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

35.4.22.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

35.4.22.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

35.4.22.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

35.4.22.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1171
	Data <Data>	[1..1]			1171
{Or	Binary <Binry>	[1..1]	Binary		1171
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1171
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1172
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1172

35.4.22.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

35.4.22.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1171
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1171

35.4.22.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

35.4.22.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

35.4.22.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

35.4.22.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

35.4.23 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

35.4.24 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

35.4.25 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

36 cain.026.001.04 AddendumResponseV04

36.1 MessageDefinition Functionality

The AddendumResponse message is sent by an issuer or an agent to an acquirer in response to an AddendumInitiation message.

Outline

The AddendumResponseV04 MessageDefinition is composed of 23 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. TransactionDescription
Transaction data related to programmes and services, content and format based on bilateral agreements.
- C. Originator
Information related to the originator.
- D. Acquirer
Information related to the acquirer.
- E. Sender
Information related to the sender.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Information related to the receiver.
- H. Issuer
Information related to the issuer.
- I. Destination
Information related to the destination.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. OriginalDataElements
Data elements contained in the original message.
- M. Token
Details of payment token.

-
- N. Acceptor
Card acceptor performing the card transaction.
 - O. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
 - P. SettlementService
Type of settlement service for specific services requiring settlement.
 - Q. AdditionalFee
Fees not included in the transaction amount.
 - R. Reconciliation
Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
 - S. ProcessingResult
Outcome of the processing of the addendum initiation.
 - T. ProtectedData
Contains protected data and the attributes used to protect the data.
 - U. PrivateData
Reserved for private data. The use of this data element is determined by bilateral agreement.
 - V. NationalData
Reserved to define data unique to the country applications.
 - W. SecurityTrailer
Trailer of the message containing a MAC.

36.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdddmRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1177
	TransactionDescription <TxDesc>	[0..1]	Text		1178
	Originator <Orgtr>	[0..1]	±		1178
	Acquirer <Acqrr>	[1..1]	±		1179
	Sender <Sndr>	[0..1]	±		1179
	Card <Card>	[0..1]	±		1180
	Receiver <Rcvr>	[0..1]	±		1180
	Issuer <Issr>	[0..1]	±		1181
	Destination <Dstn>	[0..1]	±		1181
	Programme <Prgrmm>	[0..*]	±		1182
	TransactionIdentification <TxId>	[1..1]	±		1182
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1183
	Token <Tkn>	[0..1]	±		1184
	Acceptor <Accptr>	[0..1]	±		1185
	Jurisdiction <Jursdctn>	[0..1]			1186
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1186
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1186
	SettlementService <SttlmSvc>	[0..1]	±		1187
	AdditionalFee <AddtlFee>	[0..*]	±		1187
	Reconciliation <Rcncltn>	[0..1]	±		1188
	ProcessingResult <PrcgRslt>	[1..1]	±		1188
	ProtectedData <PrtctdData>	[0..*]			1189
	Control <Ctrl>	[0..1]	Text		1190
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1190
	DerivedInformation <DrvdInf>	[0..1]	Text		1190
	Algorithm <Algo>	[0..1]	Text		1191
	KeyLength <KeyLngth>	[0..1]	Text		1191
	KeyProtection <KeyPrtcn>	[0..1]	Text		1191
	KeyIndex <KeyIndx>	[0..1]	Text		1191

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PaddingMethod <PddgMtd>	[0..1]	Text		1191
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1191
	EncryptedElement <NcrptdElmt>	[1..*]			1192
	Identification <Id>	[0..1]	Text		1192
	Data <Data>	[1..1]			1192
{Or	Binary <Binry>	[1..1]	Binary		1192
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1192
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1193
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1193
	PrivateData <PrvtData>	[0..*]	(External Schema)		1193
	NationalData <NtlData>	[0..*]	(External Schema)		1193
	SecurityTrailer <SctyTrlr>	[0..1]	±		1193

36.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

36.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

36.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

36.4.2 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

36.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

36.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Information related to the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

36.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

36.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData14](#)" on page 1432 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1432
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1432
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1432
	PortfolioIdentifier <PrtlIdr>	[0..1]	Text		1433

36.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

36.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

36.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

36.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

36.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification62](#)" on page 2011 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2012
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2013
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2013
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2013
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2013
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2013
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2014
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2014
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2014
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2014
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2014
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2014
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2014
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2014
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2015
	PrivateData <PrvtData>	[0..*]	(External Schema)		2015
	NationalData <NtlData>	[0..*]	(External Schema)		2015

36.4.12 OriginalDataElements <OrgnlDataElmts>

Presence: [0..1]

Definition: Data elements contained in the original message.

OriginalDataElements <OrgnlDataElmts> contains the following elements (see "OriginalDataElements6" on page 2015 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgCls>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

36.4.13 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

36.4.14 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

36.4.15 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1186
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1186

36.4.15.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

36.4.15.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

36.4.16 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

36.4.17 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

36.4.18 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

36.4.19 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the addendum initiation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

36.4.20 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1190
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1190
	DerivedInformation <DrvdInf>	[0..1]	Text		1190
	Algorithm <Algo>	[0..1]	Text		1191
	KeyLength <KeyLngth>	[0..1]	Text		1191
	KeyProtection <KeyPrtc>	[0..1]	Text		1191
	KeyIndex <KeyIndx>	[0..1]	Text		1191
	PaddingMethod <PddgMtd>	[0..1]	Text		1191
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1191
	EncryptedElement <NcrptdElmt>	[1..*]			1192
	Identification <Id>	[0..1]	Text		1192
	Data <Data>	[1..1]			1192
{Or	Binary <Binry>	[1..1]	Binary		1192
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1192
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1193
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1193

36.4.20.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

36.4.20.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

36.4.20.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

36.4.20.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

36.4.20.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

36.4.20.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

36.4.20.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

36.4.20.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

36.4.20.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

36.4.20.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1192
	Data <Data>	[1..1]			1192
{Or	Binary <Binry>	[1..1]	Binary		1192
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1192
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1193
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1193

36.4.20.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

36.4.20.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1192
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1192

36.4.20.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

36.4.20.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

36.4.20.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

36.4.20.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

36.4.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

36.4.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

36.4.23 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

37 cain.027.001.04 ChargeBackInitiationV04

37.1 MessageDefinition Functionality

The ChargeBackInitiation message is sent by an issuer or agent to an acquirer to fully or partially nullify a previous financial transaction; namely when the issuer determines that a customer dispute exists or that an error or violation of rules has been committed. It is also used to nullify a previous chargeback. Chargebacks have a financial impact and should be computed within reconciliation totals.

Outline

The ChargeBackInitiationV04 MessageDefinition is composed of 36 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Identifies the originator of the transaction.
- D. Acquirer
Identification of the acquirer.
- E. Sender
Party sending the message to another intermediary agent or to the final destination.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Party receiving the message from the origin or from an intermediary agent.
- H. Issuer
Information related to the issuer.
- I. Destination
Identifies the destination of the transaction.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. TransactionAmounts

Amounts of the card transaction.

N. Acceptor

Card acceptor performing the card transaction.

O. Transactor

Information related to the transaction who provides technical payment solutions for acceptor and originator to conduct transactions.

P. Terminal

Payment terminal or ATM performing the transaction.

Q. Context

Context of the chargeback transaction.

R. ICCRelatedData

Data related to an integrated circuit card application embedded in the payment card of the cardholder.

S. AuthenticationData

Contain information related to authentication.

T. Payer

The party providing source of funds.

U. Payee

The party receiving funds.

V. OriginalTransactionAmounts

Original Amounts of the card transaction.

W. Token

Details of payment token.

X. Wallet

Container for tenders used by the customer to perform the payment transaction.

Y. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

Z. SettlementService

Type of settlement service for specific services requiring settlement.

A. AdditionalFee

A. Fees not included in the transaction amount.

AB Reconciliation

· Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

AC DisputeData

· Information about the dispute.

-
- A Documentation
 - D. Supporting documentation information related to the chargeback.
 - AE OriginalTransaction
 - Contains details of the original transaction.
 - AF ProcessingResult
 - Outcome of the processing of the authorisation.
 - A ProtectedData
 - G. Contains protected data and the attributes used to protect the data.
 - A PrivateData
 - H. Reserved for private data. The use of this data element is determined by bilateral agreement.
 - AI. NationalData
 - Reserved to define data unique to the country applications.
 - AJ. SecurityTrailer
 - Trailer of the message containing a MAC.

37.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ChrgBcklnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		1201
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1201
	Originator <Orgtr>	[0..1]	±		1202
	Acquirer <Acqrr>	[1..1]	±		1202
	Sender <Sndr>	[0..1]	±		1203
	Card <Card>	[0..1]	±		1203
	Receiver <Rcvr>	[0..1]	±		1204
	Issuer <Issr>	[0..1]	±		1205
	Destination <Dstn>	[0..1]	±		1205
	Programme <Prgrmm>	[0..1]	±		1206
	TransactionIdentification <TxId>	[1..1]	±		1206
	ConversionDateTime <ConvsDtTm>	[0..1]			1207
	Date <Dt>	[1..1]	Date		1208
	Time <Tm>	[0..1]	Time		1208
	TransactionAmounts <TxAmts>	[1..1]	±		1208
	Acceptor <Accptr>	[0..1]	±		1208
	Transactor <Txtr>	[0..1]	±		1209
	Terminal <Termnl>	[0..1]	±		1210
	Context <Cntxt>	[0..1]	±		1210
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		1212
	AuthenticationData <AuthntcnData>	[0..1]			1212
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1214
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1214
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1214
	MessageVersion <MsgVrsn>	[0..1]	Text		1214
	XID <XID>	[0..1]	Binary		1214
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1214
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1215
	MessageCategory <MsgCtgy>	[0..1]	Text		1215

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1215
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1215
	DeviceInformation <DvcInf>	[0..1]	Text		1215
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1215
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1215
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1216
	AddressMatchIndicator <AdrMtchInd>	[0..1]	Text		1216
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		1216
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		1216
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1216
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1216
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1217
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1217
	DeviceIdentification <DvcId>	[0..*]	Text		1217
	DeviceType <DvcTp>	[0..*]	Text		1217
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1217
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1217
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1217
	SessionIdentification <SsnId>	[0..1]	Text		1217
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1218
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1218
	DataQuality <DataQlty>	[0..1]	Indicator		1218
	Programme <Prgrmm>	[0..1]	Text		1218
	PrivateData <PrvtData>	[0..*]	(External Schema)		1218
	NationalData <NtlData>	[0..*]	(External Schema)		1218
	Payer <Pyer>	[0..1]	±		1219
	Payee <Pyee>	[0..1]	±		1219
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		1220
	Token <Tkn>	[0..1]	±		1221
	Wallet <Wllt>	[0..1]	±		1222
	Jurisdiction <Jursdctn>	[0..1]			1223

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1224
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		1224
	SettlementService <SttlmSvc>	[0..1]	±		1224
	AdditionalFee <AddtlFee>	[0..*]	±		1225
	Reconciliation <Rcncltn>	[0..1]	±		1226
	DisputeData <DsptData>	[1..*]	±		1226
	Documentation <Dcmnttn>	[0..*]	±		1227
	OriginalTransaction <OrgnlTx>	[0..1]	±		1227
	ProcessingResult <PrcgRslt>	[0..1]	±		1229
	ProtectedData <PrctcdData>	[0..*]			1230
	Control <Ctrl>	[0..1]	Text		1231
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1231
	DerivedInformation <DrvdInf>	[0..1]	Text		1231
	Algorithm <Algo>	[0..1]	Text		1232
	KeyLength <KeyLngth>	[0..1]	Text		1232
	KeyProtection <KeyPrtc>	[0..1]	Text		1232
	KeyIndex <KeyIndx>	[0..1]	Text		1232
	PaddingMethod <PddgMtd>	[0..1]	Text		1232
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1232
	EncryptedElement <NcrptdElmt>	[1..*]			1233
	Identification <Id>	[0..1]	Text		1233
	Data <Data>	[1..1]			1233
{Or	Binary <Binry>	[1..1]	Binary		1233
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1233
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1234
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1234
	PrivateData <PrvtData>	[0..*]	(External Schema)		1234
	NationalData <NtlData>	[0..*]	(External Schema)		1234
	SecurityTrailer <SctyTrlr>	[0..1]	±		1234

37.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

C2 ValidationByTable

Must be a valid terrestrial language.

37.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

37.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

37.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

37.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

37.4.4 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

37.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

37.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

37.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

37.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

37.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

37.4.10 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

37.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification59" on page 2028 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[1..1]	Date		2029
	LocalTime <LclTm>	[0..1]	Time		2029
	TimeZone <TmZone>	[0..1]	Text		2029
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2029
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2030
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2030
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2030
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2030
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2030
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2030
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2030
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2031
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2031
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2031
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2031
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2031
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2031
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2031
	AssociatedData <AssoctdData>	[0..1]	Indicator		2031
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2032
	AssociatedDataDestination <AssoctdDataDstr>	[0..1]	Text		2032
	PrivateData <PrvtData>	[0..*]	(External Schema)		2032
	NationalData <NtlData>	[0..*]	(External Schema)		2032

37.4.12 ConversionDateTime <ConvDsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDdtM> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1208
	Time <Tm>	[0..1]	Time		1208

37.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

37.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

37.4.13 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

37.4.14 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

37.4.15 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

37.4.16 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12" on page 1984](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

37.4.17 Context <Cntxt>

Presence: [0..1]

Definition: Context of the chargeback transaction.

Context <Cntxt> contains the following elements (see "Context25" on page 1735 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1737
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1738
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1738
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1738
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		1738
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1738
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1738
	CardPresent <CardPres>	[0..1]	Indicator		1739
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1739
	CardholderActivated <CrhdldrActvtd>	[0..1]	Indicator		1739
	TransponderInitiated <TrnspondrInittd>	[0..1]	Indicator		1739
	Transit <Trnst>	[0..1]	Indicator		1740
	Attended <Attndd>	[0..1]	Indicator		1740
	UnattendedLevelCategory <UattnddLvCtgy>	[0..1]	Text		1740
	ECommerce <EComrc>	[0..1]	Indicator		1740
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1741
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1741
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1741
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1741
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1741
	NoShow <NoShow>	[0..1]	Indicator		1742
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1742
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1742
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1742
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1742
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1743
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1743
	SplitPayment <Spltpmt>	[0..1]	Indicator		1743
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1744
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1744
	StorageLocation <StorgLctn>	[0..1]	Text		1745

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1745
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1745
	CaptureDate <CaptrDt>	[0..1]	Date		1745
	DateAnticipated <DtAntcptd>	[0..1]	Date		1745
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1745
	PrivateData <PrvtData>	[0..*]	(External Schema)		1746
	NationalData <NtlData>	[0..*]	(External Schema)		1746

37.4.18 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Data related to an integrated circuit card application embedded in the payment card of the cardholder.

Datatype: "Max10KHexBinaryText" on page 2158

37.4.19 AuthenticationData <AuthntcnData>

Presence: [0..1]

Definition: Contain information related to authentication.

AuthenticationData <AuthntcnData> contains the following **CardAuthenticationData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBasedDigitalSignature <AcctBasedDgtlSgntr>	[0..1]	Text		1214
	CardholderCertificateSerialNumber <CrdhldrCertSrlNb>	[0..1]	Binary		1214
	AcceptorCertificateSerialNumber <AccptrCertSrlNb>	[0..1]	Binary		1214
	MessageVersion <MsgVrsn>	[0..1]	Text		1214
	XID <XID>	[0..1]	Binary		1214
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1214
	AuthenticationCode <AuthntcnCd>	[0..1]	Text		1215
	MessageCategory <MsgCtgy>	[0..1]	Text		1215
	AuthenticationMerchantName <AuthntcnMrchntNm>	[0..1]	Text		1215
	BrowserIPAddress <BrwsrIPAdr>	[0..1]	Text		1215
	DeviceInformation <DvcInf>	[0..1]	Text		1215
	PurchaseAmount <PurchsAmt>	[0..1]	Text		1215
	PurchaseCurrency <PurchsCcy>	[0..1]	CodeSet	C1	1215
	PurchaseDateTime <PurchsDtTm>	[0..1]	Text		1216
	AddressMatchIndicator <AdrMchInd>	[0..1]	Text		1216
	IntermediaryTransactionIdentifier <IntrmyTxldr>	[0..1]	Text		1216
	AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>	[0..1]	Text		1216
	AuthenticationStatus <AuthntcnSts>	[0..1]	Text		1216
	ApplicationIPAddress <ApplIPAdr>	[0..1]	Text		1216
	ShippingIndicator <ShppgInd>	[0..1]	CodeSet		1217
	SDKApplicationIdentification <SDKApplId>	[0..1]	Text		1217
	DeviceIdentification <DvcId>	[0..*]	Text		1217
	DeviceType <DvcTp>	[0..*]	Text		1217
	RecurringTransactionSetup <RcrngTxSetp>	[0..1]	Text		1217
	ThirdPartyIdentification <ThrdPtyId>	[0..1]	Text		1217
	ThirdPartyRiskScore <ThrdPtyRskScore>	[0..1]	Text		1217
	SessionIdentification <SsnId>	[0..1]	Text		1217
	IPAddressVelocityCount <IPAdrVlctyCnt>	[0..1]	Text		1218
	DeviceIdentificationVelocityCount <DvcIdVlctyCnt>	[0..1]	Text		1218
	DataQuality <DataQlty>	[0..1]	Indicator		1218

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		1218
	PrivateData <PrvtData>	[0..*]	(External Schema)		1218
	NationalData <NtlData>	[0..*]	(External Schema)		1218

37.4.19.1 AccountBasedDigitalSignature <AcctBasedDgtlSgntr>

Presence: [0..1]

Definition: Specifies that card authentication is performed using credentials linked to the cardholder's account rather than the physical card.

Datatype: "Exact2NumericText" on page 2156

37.4.19.2 CardholderCertificateSerialNumber <CrhdldrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a Secure Electronic Commerce cardholder certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

37.4.19.3 AcceptorCertificateSerialNumber <AccptrCertSrINb>

Presence: [0..1]

Definition: Contains a value assigned to a secure electronic commerce merchant certificate issued by the acquirer's certificate authority.

Datatype: "Max16Binary" on page 2097

37.4.19.4 MessageVersion <MsgVrsn>

Presence: [0..1]

Definition: The Protocol version number of the specification used by the system creating authentication message. Refer to Refer to EMV Specification Bulletin 255 for the format.

Datatype: "Min5Max8Text" on page 2168

37.4.19.5 XID <XID>

Presence: [0..1]

Definition: Contains a unique secure electronic commerce number generated by the merchant server to identify the transaction.

Datatype: "Exact20Binary" on page 2096

37.4.19.6 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Payment System-specific value provided by the ACS or the DS using an algorithm defined by Payment System.

Datatype: "Exact20Binary" on page 2096

37.4.19.7 AuthenticationCode <AuthntcnCd>

Presence: [0..1]

Definition: Contains authentication code.

Datatype: "Max50Text" on page 2166

37.4.19.8 MessageCategory <MsgCtgy>

Presence: [0..1]

Definition: Contains the authentication message category.

Datatype: "Exact2NumericText" on page 2156

37.4.19.9 AuthenticationMerchantName <AuthntcnMrchntNm>

Presence: [0..1]

Definition: Merchant name assigned by the Acquirer or Payment System during the authentication.

Datatype: "Max40Text" on page 2164

37.4.19.10 BrowserIPAddress <BrwsrIPAdr>

Presence: [0..1]

Definition: IP address of the Browser.

Datatype: "Max45Text" on page 2165

37.4.19.11 DeviceInformation <DvcInf>

Presence: [0..1]

Definition: Device information gathered by the 3DS SDK from a Consumer Device. This is JSON name/value pairs that as a whole is Base64url-encoded.

Datatype: "Max10KText" on page 2158

37.4.19.12 PurchaseAmount <PurchsAmt>

Presence: [0..1]

Definition: Purchase amount in minor units of currency with all punctuation removed.

Datatype: "Max48Text" on page 2165

37.4.19.13 PurchaseCurrency <PurchsCcy>

Presence: [0..1]

Definition: Currency in which purchase amount is expressed.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

37.4.19.14 PurchaseDateTime <PurchsDtTm>

Presence: [0..1]

Definition: Date and time of the authentication converted into UTC.

Datatype: "Exact14NumericText" on page 2155

37.4.19.15 AddressMatchIndicator <AdrMtchInd>

Presence: [0..1]

Definition: Indicates whether the Cardholder Shipping Address and Cardholder Billing Address are the same.

Valid value

Y = Shipping Address matches Billing Address

N = Shipping Address does not match Billing Address

Datatype: "Exact1Text" on page 2156

37.4.19.16 IntermediaryTransactionIdentifier <IntrmyTxldr>

Presence: [0..1]

Definition: Universally unique transaction identifier assigned by the Intermediary entity to identify a single transaction.

Datatype: "Max36Text" on page 2163

37.4.19.17 AuthenticationServerTransactionIdentifier <AuthntcnSvrTxldr>

Presence: [0..1]

Definition: Universally Unique transaction identifier assigned by the authentication server to identify a single transaction.

Datatype: "Max36Text" on page 2163

37.4.19.18 AuthenticationStatus <AuthntcnSts>

Presence: [0..1]

Definition: Indicate the authentication status.

Datatype: "Exact1AlphaText" on page 2155

37.4.19.19 ApplicationIPAddress <ApplIPAdr>

Presence: [0..1]

Definition: External IP address (that is the device public IP address) used by the 3DS Requestor App when it connects to the 3DS Requestor environment.

Datatype: "Max45Text" on page 2165

37.4.19.20 ShippingIndicator <ShppgInd>

Presence: [0..1]

Definition: Indicates shipping method chosen for the transaction.

Datatype: "ISO8583ShippingIndicatorCode" on page 2127

37.4.19.21 SDKApplicationIdentification <SDKApplId>

Presence: [0..1]

Definition: Universally unique identification (ID) that is created for each installation of the 3DS Requestor App on a Consumer Device.

Datatype: "Max37Text" on page 2163

37.4.19.22 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Unique and immutable identifier linked to a device that is consistent across 3DS transactions for the specific user device. Refer to D021 in EMV 3-D secure SDK-Device Information.

Datatype: "Max64Text" on page 2166

37.4.19.23 DeviceType <DvcTp>

Presence: [0..*]

Definition: Contain value to indicates the device type. Valid value refer to EMV 3-D Secure SDK Device Information.

Datatype: "Exact2NumericText" on page 2156

37.4.19.24 RecurringTransactionSetup <RcrngTxSetp>

Presence: [0..1]

Definition: Indicate the status of recurring transaction data provided in the authentication.

Datatype: "Exact3AlphaNumericText" on page 2156

37.4.19.25 ThirdPartyIdentification <ThrdPtyId>

Presence: [0..1]

Definition: Identify the third party who provided the authentication service.

Datatype: "Max64Text" on page 2166

37.4.19.26 ThirdPartyRiskScore <ThrdPtyRskScore>

Presence: [0..1]

Definition: Contains the Risk score provided by the third party service provider.

Datatype: "Exact2NumericText" on page 2156

37.4.19.27 SessionIdentification <SsnId>

Presence: [0..1]

Definition: Contains authentication service provider-generated unique identifier that identifies a transaction.

Datatype: "Max35Text" on page 2163

37.4.19.28 IPAddressVelocityCount <IPAdrVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the IP address of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

37.4.19.29 DeviceIdentificationVelocityCount <DvcldVlctyCnt>

Presence: [0..1]

Definition: Contains the velocity count for the device ID of a 3D-secure transaction.

Datatype: "Exact2NumericText" on page 2156

37.4.19.30 DataQuality <DataQlty>

Presence: [0..1]

Definition: Indicate whether the transaction has sufficient authentication data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

37.4.19.31 Programme <Prgrmm>

Presence: [0..1]

Definition: Identifies the authentication solution used to process the transaction.

Datatype: "Max10Text" on page 2158

37.4.19.32 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

37.4.19.33 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

37.4.20 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptr>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

37.4.21 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptr>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

37.4.22 OriginalTransactionAmounts <OrgnlTxAmts>

Presence: [0..1]

Definition: Original Amounts of the card transaction.

OriginalTransactionAmounts <OrgnlTxAmts> contains the following elements (see
"OriginalTransactionAmounts4" on page 1402 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1402
	Amount <Amt>	[1..1]	Amount		1403
	Currency <Ccy>	[0..1]	CodeSet	C1	1403
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1403
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1403
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1404
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1404
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1404
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1404

37.4.23 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

37.4.24 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

37.4.25 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1224
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1224

37.4.25.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

37.4.25.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

37.4.26 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

37.4.27 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

37.4.28 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

37.4.29 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData5](#)" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

37.4.30 Documentation <Dcmnttn>

Presence: [0..*]

Definition: Supporting documentation information related to the chargeback.

Documentation <Dcmnttn> contains the following elements (see "[DisputeDocumentation2](#)" on page 1891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

37.4.31 OriginalTransaction <OrgnlTx>

Presence: [0..1]

Definition: Contains details of the original transaction.

OriginalTransaction <OrgnlTx> contains the following elements (see "OriginalTransaction4" on page 1704 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstr>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvsvDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717
	Acceptor <Acptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crdhldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstlInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

37.4.32 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult31" on page 2080 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2081
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2081
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2081
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2081
	ResponseCode <RspnCd>	[0..1]	CodeSet		2081
	ActionCode <ActnCd>	[0..1]	CodeSet		2082
	ApprovalCode <ApprvlCd>	[0..1]	Text		2082
	ResponseReason <RspnRsn>	[0..1]	Text		2082
	PrivateData <PrvtData>	[0..*]	(External Schema)		2082
	NationalData <NtlData>	[0..*]	(External Schema)		2082

37.4.33 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1231
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1231
	DerivedInformation <DrvdInf>	[0..1]	Text		1231
	Algorithm <Algo>	[0..1]	Text		1232
	KeyLength <KeyLngth>	[0..1]	Text		1232
	KeyProtection <KeyPrtc>	[0..1]	Text		1232
	KeyIndex <KeyIndx>	[0..1]	Text		1232
	PaddingMethod <PddgMtd>	[0..1]	Text		1232
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1232
	EncryptedElement <NcrptdElmt>	[1..*]			1233
	Identification <Id>	[0..1]	Text		1233
	Data <Data>	[1..1]			1233
{Or	Binary <Binry>	[1..1]	Binary		1233
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1233
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1234
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1234

37.4.33.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

37.4.33.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

37.4.33.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

37.4.33.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

37.4.33.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

37.4.33.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

37.4.33.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

37.4.33.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

37.4.33.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

37.4.33.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1233
	Data <Data>	[1..1]			1233
{Or	Binary <Binry>	[1..1]	Binary		1233
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1233
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1234
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1234

37.4.33.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

37.4.33.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1233
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1233

37.4.33.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

37.4.33.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

37.4.33.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

37.4.33.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

37.4.34 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

37.4.35 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

37.4.36 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

38 cain.028.001.04 ChargeBackResponseV04

38.1 MessageDefinition Functionality

The ChargeBackResponse message is sent by an acquirer or an agent to an issuer in response to an ChargeBackInitiation message.

Outline

The ChargeBackResponseV04 MessageDefinition is composed of 32 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. TransactionCharacteristics
Contains the key data elements of the transaction.
- C. Originator
Identifies the originator of the transaction.
- D. Acquirer
Identification of the acquirer.
- E. Sender
Party sending the message to another intermediary agent or to the final destination.
- F. Card
Card or payment token performing the transaction.
- G. Receiver
Party receiving the message from the origin or from an intermediary agent.
- H. Issuer
Information related to the issuer.
- I. Destination
Identifies the destination of the transaction.
- J. Programme
Programme, network, or brand processes the transaction.
- K. TransactionIdentification
Identification of the transaction.
- L. ConversionDateTime
Date and Time of currency conversion.
- M. TransactionAmounts
Amounts of the card transaction.

N. Acceptor

Card acceptor performing the card transaction.

O. Transactor

Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

P. Terminal

Payment terminal or ATM performing the transaction.

Q. Context

Context of the reversal transaction.

R. OriginalTransactionAmounts

Original Amounts of the card transaction.

S. Payer

The party providing source of funds.

T. Payee

The party receiving funds.

U. Token

Details of payment token.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. DisputeData

Information about the dispute.

A Documentation

A. Supporting documentation information related to the chargeback.

AB ProcessingResult

· Outcome of the processing of the authorisation.

AC ProtectedData

· Contains protected data and the attributes used to protect the data.

A PrivateData

D.

Reserved for private data. The use of this data element is determined by bilateral agreement.

AE NationalData

- Reserved to define data unique to the country applications.

AF SecurityTrailer

- Trailer of the message containing a MAC.

38.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ChrgBckRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1241
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1241
	Originator <Orgtr>	[0..1]	±		1242
	Acquirer <Acqrr>	[0..1]	±		1242
	Sender <Sndr>	[0..1]	±		1243
	Card <Card>	[0..1]	±		1243
	Receiver <Rcvr>	[0..1]	±		1244
	Issuer <Issr>	[0..1]	±		1245
	Destination <Dstn>	[0..1]	±		1245
	Programme <Prgrmm>	[0..*]	±		1246
	TransactionIdentification <TxId>	[1..1]	±		1246
	ConversionDateTime <ConvsDtTm>	[0..1]			1247
	Date <Dt>	[1..1]	Date		1248
	Time <Tm>	[0..1]	Time		1248
	TransactionAmounts <TxAmts>	[1..1]	±		1248
	Acceptor <Accptr>	[0..1]	±		1248
	Transactor <Txtr>	[0..1]	±		1249
	Terminal <Termnl>	[0..1]	±		1250
	Context <Cntxt>	[0..1]	±		1250
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		1250
	Payer <Pyer>	[0..1]	±		1251
	Payee <Pyee>	[0..1]	±		1252
	Token <Tkn>	[0..1]	±		1253
	Jurisdiction <Jursdctn>	[0..1]			1254
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		1255
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1255
	SettlementService <SttlmSvc>	[0..1]	±		1255
	AdditionalFee <AddtlFee>	[0..*]	±		1256
	Reconciliation <Rcncltn>	[0..1]	±		1257

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DisputeData <DsptData>	[1..*]	±		1257
	Documentation <Dcmnttn>	[0..*]	±		1258
	ProcessingResult <PrcgRslt>	[0..1]	±		1258
	ProtectedData <PrtctdData>	[0..*]			1259
	Control <Ctrl>	[0..1]	Text		1260
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1260
	DerivedInformation <DrvdInf>	[0..1]	Text		1260
	Algorithm <Algo>	[0..1]	Text		1261
	KeyLength <KeyLngth>	[0..1]	Text		1261
	KeyProtection <KeyPrtc>	[0..1]	Text		1261
	KeyIndex <KeyIndx>	[0..1]	Text		1261
	PaddingMethod <PddgMtd>	[0..1]	Text		1261
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1261
	EncryptedElement <NcrptdElmt>	[1..*]			1262
	Identification <Id>	[0..1]	Text		1262
	Data <Data>	[1..1]			1262
{Or	Binary <Binry>	[1..1]	Binary		1262
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1262
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1263
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1263
	PrivateData <PrvtData>	[0..*]	(External Schema)		1263
	NationalData <NtlData>	[0..*]	(External Schema)		1263
	SecurityTrailer <SctyTrlr>	[0..1]	±		1263

38.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

38.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

38.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

38.4.2 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Contains the key data elements of the transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "TransactionCharacteristics6" on page 2020 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

38.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

38.4.4 Acquirer <Acqrr>

Presence: [0..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

38.4.5 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

38.4.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

38.4.7 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

38.4.8 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "[IssuerData1](#)" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

38.4.9 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

38.4.10 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

38.4.11 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification59" on page 2028 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[1..1]	Date		2029
	LocalTime <LclTm>	[0..1]	Time		2029
	TimeZone <TmZone>	[0..1]	Text		2029
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2029
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2030
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2030
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2030
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2030
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2030
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2030
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2030
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2031
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2031
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2031
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2031
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2031
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2031
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2031
	AssociatedData <AssoctdData>	[0..1]	Indicator		2031
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2032
	AssociatedDataDestination <AssoctdDataDstr>	[0..1]	Text		2032
	PrivateData <PrvtData>	[0..*]	(External Schema)		2032
	NationalData <NtlData>	[0..*]	(External Schema)		2032

38.4.12 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvDdtm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1248
	Time <Tm>	[0..1]	Time		1248

38.4.12.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

38.4.12.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

38.4.13 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts5" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

38.4.14 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acptr> contains the following elements (see "AcceptorData2" on page 1957 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

38.4.15 Transactor <Txtr>

Presence: [0..1]

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Transactor <Txtr> contains the following elements (see "TransactorData1" on page 1913 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

38.4.16 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal12"](#) on page 1984 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

38.4.17 Context <Cntxt>

Presence: [0..1]

Definition: Context of the reversal transaction.

Context <Cntxt> contains the following elements (see ["Context29"](#) on page 1555 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1555
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1555
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1555
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1556
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1556
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1556
	NoShow <NoShow>	[0..1]	Indicator		1556
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1556
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1557
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1557
	PrivateData <PrvtData>	[0..*]	(External Schema)		1557
	NationalData <NtlData>	[0..*]	(External Schema)		1557

38.4.18 OriginalTransactionAmounts <OrgnlTxAmts>

Presence: [0..1]

Definition: Original Amounts of the card transaction.

OriginalTransactionAmounts <OrgnlTxAmts> contains the following elements (see
"OriginalTransactionAmounts4" on page 1402 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1402
	Amount <Amt>	[1..1]	Amount		1403
	Currency <Ccy>	[0..1]	CodeSet	C1	1403
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1403
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1403
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1404
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1404
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1404
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1404

38.4.19 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

38.4.20 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

38.4.21 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

38.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1255
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1255

38.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

38.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

38.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

38.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

38.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

38.4.26 DisputeData <DsptData>

Presence: [1..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData5](#)" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

38.4.27 Documentation <Dcmnttn>

Presence: [0..*]

Definition: Supporting documentation information related to the chargeback.

Documentation <Dcmnttn> contains the following elements (see "[DisputeDocumentation2](#)" on page 1891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

38.4.28 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

38.4.29 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1260
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1260
	DerivedInformation <DrvdInf>	[0..1]	Text		1260
	Algorithm <Algo>	[0..1]	Text		1261
	KeyLength <KeyLngth>	[0..1]	Text		1261
	KeyProtection <KeyPrtc>	[0..1]	Text		1261
	KeyIndex <KeyIndx>	[0..1]	Text		1261
	PaddingMethod <PddgMtd>	[0..1]	Text		1261
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1261
	EncryptedElement <NcrptdElmt>	[1..*]			1262
	Identification <Id>	[0..1]	Text		1262
	Data <Data>	[1..1]			1262
{Or	Binary <Binry>	[1..1]	Binary		1262
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1262
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1263
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1263

38.4.29.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

38.4.29.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

38.4.29.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

38.4.29.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

38.4.29.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

38.4.29.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

38.4.29.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

38.4.29.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

38.4.29.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

38.4.29.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1262
	Data <Data>	[1..1]			1262
{Or	Binary <Binry>	[1..1]	Binary		1262
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1262
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1263
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1263

38.4.29.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

38.4.29.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1262
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1262

38.4.29.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

38.4.29.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

38.4.29.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

38.4.29.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

38.4.30 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

38.4.31 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

38.4.32 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

39 canm.001.001.05 NetworkManagementInitiationV05

39.1 MessageDefinition Functionality

The NetworkManagementInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer) connected to a network. It covers the range of activities that control the operating conditions of the network.

Outline

The NetworkManagementInitiationV05 MessageDefinition is composed of 22 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. NetworkManagementType

Type of network management service. Values refer to network management information code in ISO 8583:1987 or function code in ISO 8583:1993, 2003, 2023.

C. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

D. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

E. Programme

Programme, network, or brand processes the transaction.

F. Sender

Party sending the message to another intermediary agent or to the final destination.

G. NumberOfMessages

Number of messages in the store and forward queue.

H. MaximumNumberOfMessages

Maximum number of messages in the store and forward queue.

I. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

J. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

K. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

L. LifeCycleIdentification

Transaction lifecycle identification

M. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. TransactionDescription

Additional information pertaining to the network management type or function being performed.

R. ProcessingResult

Outcome of the processing of the authorisation

S. OriginalResponseCode

Original Response code.

T. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

U. NationalData

Reserved to define data unique to the country applications.

V. SecurityTrailer

Trailer of the message containing a MAC

39.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NtwkMgmtInittn>	[1..1]			
	Header <Hdr>	[1..1]	±		1268
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		1268
	MessageReason <MsgRsn>	[0..*]	CodeSet		1268
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		1269
	Programme <Prgrmm>	[0..1]	±		1269
	Sender <Sndr>	[0..1]	±		1269
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		1270
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		1270
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1270
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1270
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1270
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		1270
	Jurisdiction <Jursdctn>	[0..1]			1270
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1271
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		1271
	SettlementService <SttlmSvc>	[0..1]	±		1271
	AdditionalFee <AddtlFee>	[0..*]	±		1272
	Reconciliation <Rcncltn>	[0..1]	±		1273
	TransactionDescription <TxDesc>	[0..1]	Text		1273
	ProcessingResult <PrcgRslt>	[0..1]	±		1274
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		1274
	PrivateData <PrvtData>	[0..*]	(External Schema)		1274
	NationalData <NtlData>	[0..*]	(External Schema)		1274
	SecurityTrailer <SctyTrlr>	[0..1]	±		1275

39.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

39.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

39.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see ["Header72" on page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

39.4.2 NetworkManagementType <NtwkMgmtTp>

Presence: [0..1]

Definition: Type of network management service. Values refer to network management information code in ISO 8583:1987 or function code in ISO 8583:1993, 2003, 2023.

Datatype: ["ISO8583NetworkManagementInformationCode" on page 2127](#)

39.4.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

39.4.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

39.4.5 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

39.4.6 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

39.4.7 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 2154

39.4.8 MaximumNumberOfMessages <MaxNbOfMsgs>

Presence: [0..1]

Definition: Maximum number of messages in the store and forward queue.

Datatype: "Number" on page 2154

39.4.9 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

39.4.10 TransmissionDateTime <TrnsmsnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

39.4.11 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

39.4.12 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

39.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1271
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1271

39.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

39.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

39.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

39.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

39.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

39.4.17 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Additional information pertaining to the network management type or function being performed.

Datatype: "Max1000Text" on page 2157

39.4.18 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult32" on page 2074 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

39.4.19 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

39.4.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

39.4.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

39.4.22 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on [page 2066](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngh>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

40 **canm.002.001.05**

NetworkManagementResponseV05

40.1 **MessageDefinition Functionality**

The NetworkManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a NetworkManagementInitiation message.

Outline

The NetworkManagementResponseV05 MessageDefinition is composed of 22 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. NetworkManagementType

Type of network management service.

C. Sender

Party sending the message to another intermediary agent or to the final destination.

D. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

E. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

F. Programme

Programme, network, or brand processes the transaction.

G. NumberOfMessages

Number of messages in the store and forward queue.

H. MaximumNumberOfMessages

Maximum number of messages in the store and forward queue.

I. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

J. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

K. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

- L. LifeCycleIdentification
Transaction lifecycle identification
- M. Jurisdiction
Contains information that identifies or is specific to a transaction jurisdiction.
- N. SettlementService
Type of settlement service for specific services requiring settlement.
- O. AdditionalFee
Fees not included in the transaction amount.
- P. Reconciliation
Identification of the reconciliation period between the acquirer and the issuer or their respective agents.
- Q. TransactionDescription
Additional information pertaining to the network management type or function being performed.
- R. ProcessingResult
Outcome of the processing of the authorisation
- S. OriginalResponseCode
Original Response code.
- T. PrivateData
Reserved for private data. The use of this data element is determined by bilateral agreement.
- U. NationalData
Reserved to define data unique to the country applications.
- V. SecurityTrailer
Trailer of the message containing a MAC

40.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NtwkMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1279
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		1279
	Sender <Sndr>	[0..1]	±		1279
	MessageReason <MsgRsn>	[0..*]	CodeSet		1280
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		1280
	Programme <Prgrmm>	[0..1]	±		1280
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		1281
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		1281
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1281
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1281
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1281
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		1281
	Jurisdiction <Jursdctn>	[0..1]			1281
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1282
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		1282
	SettlementService <SttlmSvc>	[0..1]	±		1282
	AdditionalFee <AddtlFee>	[0..*]	±		1283
	Reconciliation <Rcncltn>	[0..1]	±		1284
	TransactionDescription <TxDesc>	[0..1]	Text		1284
	ProcessingResult <PrcgRslt>	[0..1]	±		1285
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		1285
	PrivateData <PrvtData>	[0..*]	(External Schema)		1285
	NationalData <NtlData>	[0..*]	(External Schema)		1285
	SecurityTrailer <SctyTrlr>	[0..1]	±		1286

40.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

40.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

40.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see ["Header72" on page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	Exchangeldentification <Xchgld>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <Colltnld>	[0..1]	Text		1897
	BatchIdentification <Btchld>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyld>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyld>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

40.4.2 NetworkManagementType <NtwkMgmtTp>

Presence: [0..1]

Definition: Type of network management service.

Datatype: ["ISO8583NetworkManagementInformationCode" on page 2127](#)

40.4.3 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

40.4.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "[ISO8583MessageReasonCode](#)" on page 2126

40.4.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "[Max256Text](#)" on page 2162

40.4.6 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

40.4.7 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 2154

40.4.8 MaximumNumberOfMessages <MaxNbOfMsgs>

Presence: [0..1]

Definition: Maximum number of messages in the store and forward queue.

Datatype: "Number" on page 2154

40.4.9 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

40.4.10 TransmissionDateTime <TrnsmsnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

40.4.11 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

40.4.12 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

40.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1282
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1282

40.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

40.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

40.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

40.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

40.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

40.4.17 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Additional information pertaining to the network management type or function being performed.

Datatype: "Max1000Text" on page 2157

40.4.18 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

40.4.19 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

40.4.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

40.4.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

40.4.22 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngh>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

41 canm.003.001.05 KeyExchangeInitiationV05

41.1 MessageDefinition Functionality

The KeyExchangeInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). This message is used to initiate a cryptographic key activity (request of a key change, request of the verification of a key, etc.).

Outline

The KeyExchangeInitiationV05 MessageDefinition is composed of 21 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. KeyExchangeFunction

Type of key exchange function being performed. P000-P999 reserved for private use, N000-N999 reserved for national use.

C. Sender

Party sending the message to another intermediary agent or to the final destination.

D. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

E. AlternateMessageReason

Alternate reason to send a message.

F. Programme

Programme, network, or brand processes the transaction.

G. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

H. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

I. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

J. LifeCycleIdentification

Transaction lifecycle identification

K. KeyExchangeType

Defines the type of key being exchanged. P000-P999 reserved for private use, N000-N999 reserved for national use.

L. KeyExchangeData

Contains information pertaining to a key exchange.

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M. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. ProcessingResult

Outcome of the processing of the authorisation

R. ProtectedData

Contains protected data and the attributes used to protect the data.

S. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

T. NationalData

Reserved to define data unique to the country applications.

U. SecurityTrailer

Trailer of the message containing a MAC.

41.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <KeyXchgInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		1290
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		1291
	Sender <Sndr>	[0..1]	±		1291
	MessageReason <MsgRsn>	[0..*]	CodeSet		1292
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		1292
	Programme <Prgrmm>	[0..1]	±		1292
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1293
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1293
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		1293
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		1293
	KeyExchangeData <KeyXchgData>	[0..1]			1293
	Control <Ctrl>	[0..1]	Text		1294
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1294
	DerivedInformation <DrvdInf>	[0..1]	Text		1294
	Algorithm <Algo>	[0..1]	Text		1295
	KeyLength <KeyLngth>	[0..1]	Text		1295
	KeyProtection <KeyPrtcn>	[0..1]	Text		1295
	KeyIndex <KeyIndx>	[0..1]	Text		1295
	EncryptedData <NcrptdData>	[0..1]	Text		1295
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		1296
	Jurisdiction <Jursdctn>	[0..1]			1296
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1296
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1296
	SettlementService <SttlmSvc>	[0..1]	±		1296
	AdditionalFee <AddtlFee>	[0..*]	±		1297
	Reconciliation <Rcncltn>	[0..1]	±		1298
	ProcessingResult <PrcgRslt>	[0..1]	±		1298
	ProtectedData <PrctcdData>	[0..*]			1299

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1300
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1300
	DerivedInformation <DrvdInf>	[0..1]	Text		1300
	Algorithm <Algo>	[0..1]	Text		1301
	KeyLength <KeyLngth>	[0..1]	Text		1301
	KeyProtection <KeyPrtcn>	[0..1]	Text		1301
	KeyIndex <KeyIndx>	[0..1]	Text		1301
	PaddingMethod <PddgMtd>	[0..1]	Text		1301
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1301
	EncryptedElement <NcrptdElmt>	[1..*]			1302
	Identification <Id>	[0..1]	Text		1302
	Data <Data>	[1..1]			1302
{Or	Binary <Binry>	[1..1]	Binary		1302
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1302
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1303
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1303
	PrivateData <PrvtData>	[0..*]	(External Schema)		1303
	NationalData <NtlData>	[0..*]	(External Schema)		1303
	SecurityTrailer <SctyTrlr>	[0..1]	±		1303

41.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

41.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

41.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

41.4.2 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardServiceType7Code" on page 2112

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
DEKY	DeactivateKey	Deactivate the specified key.
RQKY	RequestKey	Request new key to be generated and conveyed.

41.4.3 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

41.4.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "[ISO8583MessageReasonCode](#)" on page 2126

41.4.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Alternate reason to send a message.

Datatype: "[Max256Text](#)" on page 2162

41.4.6 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode6](#)" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

41.4.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

41.4.8 TransmissionDateTime <TrnsmsnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

41.4.9 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

41.4.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

41.4.11 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "KeyType2Code" on page 2128

CodeName	Name	Definition
PTKA	PINTranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINTranslationKeyIssuer	PIN translation key applicable to the issuer

41.4.12 KeyExchangeData <KeyXchgData>

Presence: [0..1]

Definition: Contains information pertaining to a key exchange.

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KeyExchangeData <KeyXchgData> contains the following **KeyExchangeData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1294
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1294
	DerivedInformation <DrvdInf>	[0..1]	Text		1294
	Algorithm <Algo>	[0..1]	Text		1295
	KeyLength <KeyLngth>	[0..1]	Text		1295
	KeyProtection <KeyPrtcn>	[0..1]	Text		1295
	KeyIndex <KeyIndx>	[0..1]	Text		1295
	EncryptedData <NcrptdData>	[0..1]	Text		1295
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		1296

41.4.12.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated structure of the remainder of the data element

ISO 13492

Binary, length of 1

Datatype: "Exact1HexBinaryText" on page 2155

41.4.12.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: key-set identifier is a number that uniquely identifies a group of related keys that are all different but have certain characteristics in common.

ISO 13492

lengths of 6 or 8

Datatype: "Max8NumericText" on page 2168

41.4.12.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Random number or counter in order to have a unique key per transaction. for example, UKPT PIN encryption or contains the transaction counter.

ISO 13492

Binary, lengths of 5, 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 2162

41.4.12.4 Algorithm <Algo>

Presence: [0..1]

Definition: Selects the encryption algorithm used to encipher the keys contained in the associated key management data element.

ISO 13492

Datatype: "Max2NumericText" on page 2162

41.4.12.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 2165

41.4.12.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 2162

41.4.12.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key set when multiple keys with the same key set identifier are used. for example, key rotation.

ISO 13492

Length of 2 or 5

Datatype: "Max5NumericText" on page 2166

41.4.12.8 EncryptedData <NcrptdData>

Presence: [0..1]

Definition: Uses a structure within it prior to encryption to identify the data.

Binary, length of 8 up to 9999

Datatype: "Max9999HexBinaryText" on page 2168

41.4.12.9 KeyChecksumValue <KeyChcksmVal>

Presence: [0..1]

Definition: Contains a value used to verify a conveyed key. Length depends on the algorithm used.

Binary, length of 8 up to 9999

Datatype: "Max9999HexBinaryText" on page 2168

41.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1296
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1296

41.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

41.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

41.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

41.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

41.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

41.4.17 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult32" on page 2074 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

41.4.18 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1300
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1300
	DerivedInformation <DrvdInf>	[0..1]	Text		1300
	Algorithm <Algo>	[0..1]	Text		1301
	KeyLength <KeyLngth>	[0..1]	Text		1301
	KeyProtection <KeyPrtc>	[0..1]	Text		1301
	KeyIndex <KeyIndx>	[0..1]	Text		1301
	PaddingMethod <PddgMtd>	[0..1]	Text		1301
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1301
	EncryptedElement <NcrptdElmt>	[1..*]			1302
	Identification <Id>	[0..1]	Text		1302
	Data <Data>	[1..1]			1302
{Or	Binary <Binry>	[1..1]	Binary		1302
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1302
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1303
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1303

41.4.18.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

41.4.18.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

41.4.18.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

41.4.18.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

41.4.18.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

41.4.18.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

41.4.18.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

41.4.18.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

41.4.18.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

41.4.18.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1302
	Data <Data>	[1..1]			1302
{Or	Binary <Binry>	[1..1]	Binary		1302
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1302
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1303
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1303

41.4.18.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

41.4.18.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1302
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1302

41.4.18.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

41.4.18.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

41.4.18.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

41.4.18.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

41.4.19 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

41.4.20 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

41.4.21 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

42 canm.004.001.05 KeyExchangeResponseV05

42.1 MessageDefinition Functionality

The KeyExchangeResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a KeyExchangeInitiation message.

Outline

The KeyExchangeResponseV05 MessageDefinition is composed of 22 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Sender

Party sending the message to another intermediary agent or to the final destination.

C. KeyExchangeFunction

Type of key exchange function being performed. P000-P999 reserved for private use, N000-N999 reserved for national use.

D. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

E. AlternateMessageReason

Alternate reason to send a message.

F. Programme

Programme, network, or brand processes the transaction.

G. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

H. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

I. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

J. LifeCycleIdentification

Transaction lifecycle identification

K. KeyExchangeType

Defines the type of key being exchanged. P000-P999 reserved for private use, N000-N999 reserved for national use.

L. KeyExchangeData

Contains information pertaining to a key exchange.

ISO 8583 bit 96

M. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

N. SettlementService

Type of settlement service for specific services requiring settlement.

O. AdditionalFee

Fees not included in the transaction amount.

P. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Q. OriginalResponseCode

Original Response code.

R. ProcessingResult

Outcome of the processing of the authorisation

S. ProtectedData

Contains protected data and the attributes used to protect the data.

T. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

U. NationalData

Reserved to define data unique to the country applications.

V. SecurityTrailer

Trailer of the message containing a MAC.

42.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <KeyXchgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1308
	Sender <Sndr>	[0..1]	±		1309
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		1309
	MessageReason <MsgRsn>	[0..*]	CodeSet		1310
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		1310
	Programme <Prgrmm>	[0..1]	±		1310
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1310
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1311
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1311
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		1311
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		1311
	KeyExchangeData <KeyXchgData>	[0..1]			1311
	Control <Ctrl>	[0..1]	Text		1312
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1312
	DerivedInformation <DrvdInf>	[0..1]	Text		1312
	Algorithm <Algo>	[0..1]	Text		1313
	KeyLength <KeyLngth>	[0..1]	Text		1313
	KeyProtection <KeyPrtcn>	[0..1]	Text		1313
	KeyIndex <KeyIndx>	[0..1]	Text		1313
	EncryptedData <NcrptdData>	[0..1]	Text		1313
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		1314
	Jurisdiction <Jursdctn>	[0..1]			1314
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1314
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1314
	SettlementService <SttlmSvc>	[0..1]	±		1314
	AdditionalFee <AddtlFee>	[0..*]	±		1315
	Reconciliation <Rcncltn>	[0..1]	±		1316
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		1316
	ProcessingResult <PrcgRslt>	[1..1]	±		1317

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedData <PrtctdData>	[0..*]			1317
	Control <Ctrl>	[0..1]	Text		1318
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1318
	DerivedInformation <DrvdInf>	[0..1]	Text		1318
	Algorithm <Algo>	[0..1]	Text		1319
	KeyLength <KeyLngth>	[0..1]	Text		1319
	KeyProtection <KeyPrtc>	[0..1]	Text		1319
	KeyIndex <KeyIndx>	[0..1]	Text		1319
	PaddingMethod <PddgMtd>	[0..1]	Text		1319
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1319
	EncryptedElement <NcrptdElmt>	[1..*]			1320
	Identification <Id>	[0..1]	Text		1320
	Data <Data>	[1..1]			1320
{Or	Binary <Binry>	[1..1]	Binary		1320
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1320
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1321
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1321
	PrivateData <PrvtData>	[0..*]	(External Schema)		1321
	NationalData <NtlData>	[0..*]	(External Schema)		1321
	SecurityTrailer <SctyTrlr>	[0..1]	±		1321

42.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

42.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

42.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header72" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

42.4.2 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "SenderData1" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

42.4.3 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardServiceType7Code" on page 2112

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
DEKY	DeactivateKey	Deactivate the specified key.
RQKY	RequestKey	Request new key to be generated and conveyed.

42.4.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

42.4.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Alternate reason to send a message.

Datatype: "Max256Text" on page 2162

42.4.6 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApplId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

42.4.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

42.4.8 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

42.4.9 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

42.4.10 LifecycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

42.4.11 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "KeyType2Code" on page 2128

CodeName	Name	Definition
PTKA	PINTranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINTranslationKeyIssuer	PIN translation key applicable to the issuer

42.4.12 KeyExchangeData <KeyXchgData>

Presence: [0..1]

Definition: Contains information pertaining to a key exchange.

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KeyExchangeData <KeyXchgData> contains the following **KeyExchangeData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1312
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1312
	DerivedInformation <DrvdInf>	[0..1]	Text		1312
	Algorithm <Algo>	[0..1]	Text		1313
	KeyLength <KeyLngth>	[0..1]	Text		1313
	KeyProtection <KeyPrtcn>	[0..1]	Text		1313
	KeyIndex <KeyIndx>	[0..1]	Text		1313
	EncryptedData <NcrptdData>	[0..1]	Text		1313
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		1314

42.4.12.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated structure of the remainder of the data element

ISO 13492

Binary, length of 1

Datatype: "Exact1HexBinaryText" on page 2155

42.4.12.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: key-set identifier is a number that uniquely identifies a group of related keys that are all different but have certain characteristics in common.

ISO 13492

lengths of 6 or 8

Datatype: "Max8NumericText" on page 2168

42.4.12.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Random number or counter in order to have a unique key per transaction. for example, UKPT PIN encryption or contains the transaction counter.

ISO 13492

Binary, lengths of 5, 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 2162

42.4.12.4 Algorithm <Algo>

Presence: [0..1]

Definition: Selects the encryption algorithm used to encipher the keys contained in the associated key management data element.

ISO 13492

Datatype: "Max2NumericText" on page 2162

42.4.12.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 2165

42.4.12.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 2162

42.4.12.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key set when multiple keys with the same key set identifier are used. for example, key rotation.

ISO 13492

Length of 2 or 5

Datatype: "Max5NumericText" on page 2166

42.4.12.8 EncryptedData <NcrptdData>

Presence: [0..1]

Definition: Uses a structure within it prior to encryption to identify the data.

Binary, length of 8 up to 9999

Datatype: "Max9999HexBinaryText" on page 2168

42.4.12.9 KeyChecksumValue <KeyChcksmVal>

Presence: [0..1]

Definition: Contains a value used to verify a conveyed key. Length depends on the algorithm used.

Binary, length of 8 up to 9999

Datatype: "Max9999HexBinaryText" on page 2168

42.4.13 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1314
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1314

42.4.13.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

42.4.13.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

42.4.14 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

42.4.15 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

42.4.16 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

42.4.17 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

42.4.18 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

42.4.19 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1318
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1318
	DerivedInformation <DrvdInf>	[0..1]	Text		1318
	Algorithm <Algo>	[0..1]	Text		1319
	KeyLength <KeyLngth>	[0..1]	Text		1319
	KeyProtection <KeyPrtc>	[0..1]	Text		1319
	KeyIndex <KeyIndx>	[0..1]	Text		1319
	PaddingMethod <PddgMtd>	[0..1]	Text		1319
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1319
	EncryptedElement <NcrptdElmt>	[1..*]			1320
	Identification <Id>	[0..1]	Text		1320
	Data <Data>	[1..1]			1320
{Or	Binary <Binry>	[1..1]	Binary		1320
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1320
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1321
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1321

42.4.19.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

42.4.19.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

42.4.19.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

42.4.19.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

42.4.19.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

42.4.19.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

42.4.19.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

42.4.19.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

42.4.19.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

42.4.19.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1320
	Data <Data>	[1..1]			1320
{Or	Binary <Binry>	[1..1]	Binary		1320
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1320
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1321
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1321

42.4.19.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

42.4.19.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1320
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1320

42.4.19.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

42.4.19.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

42.4.19.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

42.4.19.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

42.4.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

42.4.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

42.4.22 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

43 casr.001.001.04 SettlementReportingInitiationV04

43.1 MessageDefinition Functionality

The SettlementReportingInitiation message is usually sent by an agent (processor, clearing or settlement agent) to an acquirer, agent or issuer to inform about financial totals already settled or to be settled issued as an outcome of the clearing process.

Outline

The SettlementReportingInitiationV04 MessageDefinition is composed of 30 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. SettlementInstitution

financial institution (or its agent) at which the accounts are held by the parties settling. This institution, acting on information provided by the parties, transfers the appropriate funds between the accounts.

C. Originator

Information related to the originator.

D. Sender

Information related to the sender.

E. Receiver

Information related to the receiver.

F. Destination

Information related to the destination.

G. FinancialInstitution

Financial Institution to which the settlement totals apply.

H. OtherInstitution

Additional institution involved in settlement. For example, the other party involved in bilateral settlement agreement.

I. Programme

Programme, network, or brand processes the transaction.

J. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

K. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

L. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

M. LifeCycleIdentification

Transaction lifecycle identification

N. SettlementReportType

Type of settlement report. P000-P999 reserved for private use, N000-N999 reserved for national use.

O. MessageReason

Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

P. AlternateMessageReason

Supports message reason codes that are not defined in external code list.

Q. AcquirerSettlementTotals

Settlement totals for the acquirer.

R. IssuerSettlementTotals

Settlement totals for the issuer.

S. OtherSettlementTotals

Other settlement totals.

T. TotalSettlementAmount

Total amount settled.

U. FundsTransferAmount

Contains the net funds transfer amount.

V. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

W. SettlementService

Type of settlement service for specific services requiring settlement.

X. AdditionalFee

Fees not included in the transaction amount.

Y. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Z. TransactionDescription

Transaction data related to programmes and services, content and format based on bilateral agreements.

A ProtectedData

- A. Contains protected data and the attributes used to protect the data.

AB PrivateData

- Reserved for private data. The use of this data element is determined by bilateral agreement.

AC NationalData

- Reserved to define data unique to the country applications.

A SecurityTrailer

- D. Trailer of the message containing a MAC.

43.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SttlmRptgInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		1329
	SettlementInstitution <SttlmInstn>	[0..1]	±		1330
	Originator <Orgtr>	[0..1]	±		1331
	Sender <Sndr>	[0..1]	±		1331
	Receiver <Rcvr>	[0..1]	±		1331
	Destination <Dstin>	[0..1]	±		1332
	FinancialInstitution <FI>	[0..1]			1332
	Identification <Id>	[1..1]	Text		1333
	BusinessIdentification <BizId>	[0..1]	Text		1333
	Country <Ctry>	[0..1]	CodeSet		1333
	BusinessName <BizNm>	[0..1]	Text		1333
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1333
	AccountNumber <AcctNb>	[0..1]	Text		1334
	Address <Adr>	[0..1]	±		1334
	PrivateData <PrvtData>	[0..*]	(External Schema)		1334
	NationalData <NtlData>	[0..*]	(External Schema)		1334
	LocalData <LclData>	[0..*]	±		1335
	OtherInstitution <OthrInstn>	[0..1]			1335
	Identification <Id>	[1..1]	Text		1336
	BusinessIdentification <BizId>	[0..1]	Text		1336
	Country <Ctry>	[0..1]	CodeSet		1336
	BusinessName <BizNm>	[0..1]	Text		1336
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1336
	AccountNumber <AcctNb>	[0..1]	Text		1336
	Address <Adr>	[0..1]	±		1336
	PrivateData <PrvtData>	[0..*]	(External Schema)		1337
	NationalData <NtlData>	[0..*]	(External Schema)		1337
	LocalData <LclData>	[0..*]	±		1337
	Programme <Prgrmm>	[0..*]	±		1338

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1338
	TransmissionDateTime <TrnsmsnDtTm>	[1..1]	DateTime		1338
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1338
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		1339
	SettlementReportType <SttlmRptTp>	[1..1]	CodeSet		1339
	MessageReason <MsgRsn>	[0..*]	CodeSet		1339
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		1339
	AcquirerSettlementTotals <AcqrrSttlmTtls>	[0..1]			1339
	Count <Cnt>	[0..1]	Quantity		1340
	Amount <Amt>	[0..1]	Amount		1340
	Currency <Ccy>	[0..1]	CodeSet	C1	1340
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1340
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1341
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1341
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1341
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1341
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1341
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1342
	IssuerSettlementTotals <IssrSttlmTtls>	[0..1]			1342
	Count <Cnt>	[0..1]	Quantity		1342
	Amount <Amt>	[0..1]	Amount		1343
	Currency <Ccy>	[0..1]	CodeSet	C1	1343
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1343
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1343
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1343
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1344
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1344
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1344
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1344
	OtherSettlementTotals <OthrSttlmTtls>	[0..1]			1344
	Count <Cnt>	[0..1]	Quantity		1345

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..1]	Amount		1345
	Currency <Ccy>	[0..1]	CodeSet	C1	1345
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1345
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1346
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1346
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1346
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1346
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1346
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1347
	TotalSettlementAmount <TtlSttlmAmt>	[0..1]			1347
	Count <Cnt>	[0..1]	Quantity		1347
	Amount <Amt>	[0..1]	Amount		1348
	Currency <Ccy>	[0..1]	CodeSet	C1	1348
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1348
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1348
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1348
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1349
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1349
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1349
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1349
	FundsTransferAmount <FndsTrfAmt>	[0..1]	±		1349
	Jurisdiction <Jursdctn>	[0..1]			1350
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		1350
	DomesticQualification <DmstQlfcctn>	[0..1]	Text		1350
	SettlementService <SttlmSvc>	[0..1]	±		1350
	AdditionalFee <AddtlFee>	[0..*]	±		1351
	Reconciliation <Rcncltn>	[0..1]	±		1352
	TransactionDescription <TxDesc>	[0..1]	Text		1352
	ProtectedData <PrtctdData>	[0..*]			1353
	Control <Ctrl>	[0..1]	Text		1353
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1353

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DerivedInformation <DrvdInf>	[0..1]	Text		1354
	Algorithm <Algo>	[0..1]	Text		1354
	KeyLength <KeyLngth>	[0..1]	Text		1354
	KeyProtection <KeyPrtcn>	[0..1]	Text		1354
	KeyIndex <KeyIndx>	[0..1]	Text		1354
	PaddingMethod <PddgMtd>	[0..1]	Text		1354
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1355
	EncryptedElement <NcrptdElmt>	[1..*]			1355
	Identification <Id>	[0..1]	Text		1355
	Data <Data>	[1..1]			1355
{Or	Binary <Binry>	[1..1]	Binary		1355
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1356
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1356
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1356
	PrivateData <PrvtData>	[0..*]	(External Schema)		1356
	NationalData <NtlData>	[0..*]	(External Schema)		1356
	SecurityTrailer <SctyTrlr>	[0..1]	±		1357

43.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

43.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on page 1895 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

43.4.2 SettlementInstitution <SttlmInstn>

Presence: [0..1]

Definition: financial institution (or its agent) at which the accounts are held by the parties settling. This institution, acting on information provided by the parties, transfers the appropriate funds between the accounts.

SettlementInstitution <SttlmInstn> contains the following elements (see "[SettlementInstitutionData1](#)" on page 1954 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1955
	BusinessIdentification <BizId>	[0..1]	Text		1955
	Country <Ctry>	[0..1]	CodeSet		1955
	BusinessName <BizNm>	[0..1]	Text		1955
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1955
	Address <Adr>	[0..1]	±		1955
	PrivateData <PrvtData>	[0..*]	(External Schema)		1956
	NationalData <NtlData>	[0..*]	(External Schema)		1956
	LocalData <LclData>	[0..*]	±		1956

43.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

43.4.4 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

43.4.5 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

43.4.6 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

43.4.7 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial Institution to which the settlement totals apply.

FinancialInstitution <FI> contains the following **FinancialInstitutionData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1333
	BusinessIdentification <BizId>	[0..1]	Text		1333
	Country <Ctry>	[0..1]	CodeSet		1333
	BusinessName <BizNm>	[0..1]	Text		1333
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1333
	AccountNumber <AcctNb>	[0..1]	Text		1334
	Address <Adr>	[0..1]	±		1334
	PrivateData <PrvtData>	[0..*]	(External Schema)		1334
	NationalData <NtlData>	[0..*]	(External Schema)		1334
	LocalData <LclData>	[0..*]	±		1335

43.4.7.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 2163

43.4.7.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for financial institution.

Datatype: "Max15AlphaNumericText" on page 2159

43.4.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the financial institution.

Datatype: "ISO3NumericCountryCode" on page 2124

43.4.7.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the financial institution.

Datatype: "Max35Text" on page 2163

43.4.7.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the financial institution.

Datatype: "Max99Text" on page 2168

43.4.7.6 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "Max35Text" on page 2163

43.4.7.7 Address <Adr>

Presence: [0..1]

Definition: Address of the settlement institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

43.4.7.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.7.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.7.10 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

43.4.8 OtherInstitution <OthrInstn>

Presence: [0..1]

Definition: Additional institution involved in settlement. For example, the other party involved in bilateral settlement agreement.

OtherInstitution <OthrInstn> contains the following **FinancialInstitutionData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1336
	BusinessIdentification <BizId>	[0..1]	Text		1336
	Country <Ctry>	[0..1]	CodeSet		1336
	BusinessName <BizNm>	[0..1]	Text		1336
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1336
	AccountNumber <AcctNb>	[0..1]	Text		1336
	Address <Adr>	[0..1]	±		1336
	PrivateData <PrvtData>	[0..*]	(External Schema)		1337
	NationalData <NtlData>	[0..*]	(External Schema)		1337
	LocalData <LclData>	[0..*]	±		1337

43.4.8.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 2163

43.4.8.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for financial institution.

Datatype: "Max15AlphaNumericText" on page 2159

43.4.8.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the financial institution.

Datatype: "ISO3NumericCountryCode" on page 2124

43.4.8.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the financial institution.

Datatype: "Max35Text" on page 2163

43.4.8.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the financial institution.

Datatype: "Max99Text" on page 2168

43.4.8.6 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "Max35Text" on page 2163

43.4.8.7 Address <Adr>

Presence: [0..1]

Definition: Address of the settlement institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

43.4.8.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.8.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.8.10 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

43.4.9 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

43.4.10 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

43.4.11 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

43.4.12 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

43.4.13 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

43.4.14 SettlementReportType <SttlmRptTp>

Presence: [1..1]

Definition: Type of settlement report. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "SettlementReportType2Code" on page 2142

CodeName	Name	Definition
FIPO	FinalPosition	Final settlement position.
INPO	InterimPosition	Interim settlement position.

43.4.15 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

43.4.16 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

43.4.17 AcquirerSettlementTotals <AcqrrSttlmTtls>

Presence: [0..1]

Definition: Settlement totals for the acquirer.

AcquirerSettlementTotals <AcqrrSttlmTtls> contains the following **SettlementCategoryTotal3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		1340
	Amount <Amt>	[0..1]	Amount		1340
	Currency <Ccy>	[0..1]	CodeSet	C1	1340
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1340
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1341
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1341
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1341
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1341
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1341
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1342

43.4.17.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

43.4.17.2 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.17.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.17.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.17.5 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Amount value of interchange fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.17.6 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.17.7 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.17.8 ProcessingFeeAmount <PrcgFeeAmt>

Presence: [0..1]

Definition: Amount value of processing fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.17.9 ProcessingFeeCurrency <PrcgFeeCcy>

Presence: [0..1]

Definition: Currency code of processing fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.17.10 ProcessingFeeCreditDebit <PrcgFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the processing fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.18 IssuerSettlementTotals <IssrSttlmTtls>

Presence: [0..1]

Definition: Settlement totals for the issuer.

IssuerSettlementTotals <IssrSttlmTtls> contains the following **SettlementCategoryTotal3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		1342
	Amount <Amt>	[0..1]	Amount		1343
	Currency <Ccy>	[0..1]	CodeSet	C1	1343
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1343
	InterchangeFeeAmount <IntrchgngFeeAmt>	[0..1]	Amount		1343
	InterchangeFeeCurrency <IntrchgngFeeCcy>	[0..1]	CodeSet	C1	1343
	InterchangeFeeCreditDebit <IntrchgngFeeCdtDbt>	[0..1]	CodeSet		1344
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1344
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1344
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1344

43.4.18.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

43.4.18.2 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.18.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.18.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.18.5 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Amount value of interchange fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.18.6 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.18.7 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.18.8 ProcessingFeeAmount <PrcgFeeAmt>

Presence: [0..1]

Definition: Amount value of processing fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.18.9 ProcessingFeeCurrency <PrcgFeeCcy>

Presence: [0..1]

Definition: Currency code of processing fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.18.10 ProcessingFeeCreditDebit <PrcgFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the processing fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.19 OtherSettlementTotals <OthrSttlmTtls>

Presence: [0..1]

Definition: Other settlement totals.

OtherSettlementTotals <OthrSttlmTtls> contains the following **SettlementCategoryTotal3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		1345
	Amount <Amt>	[0..1]	Amount		1345
	Currency <Ccy>	[0..1]	CodeSet	C1	1345
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1345
	InterchangeFeeAmount <IntrchgFeeAmt>	[0..1]	Amount		1346
	InterchangeFeeCurrency <IntrchgFeeCcy>	[0..1]	CodeSet	C1	1346
	InterchangeFeeCreditDebit <IntrchgFeeCdtDbt>	[0..1]	CodeSet		1346
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1346
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1346
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1347

43.4.19.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

43.4.19.2 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.19.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.19.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.19.5 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Amount value of interchange fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.19.6 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.19.7 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.19.8 ProcessingFeeAmount <PrcgFeeAmt>

Presence: [0..1]

Definition: Amount value of processing fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.19.9 ProcessingFeeCurrency <PrcgFeeCcy>

Presence: [0..1]

Definition: Currency code of processing fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.19.10 ProcessingFeeCreditDebit <PrcgFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the processing fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.20 TotalSettlementAmount <TtlSttlmAmt>

Presence: [0..1]

Definition: Total amount settled.

TotalSettlementAmount <TtlSttlmAmt> contains the following **SettlementCategoryTotal3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		1347
	Amount <Amt>	[0..1]	Amount		1348
	Currency <Ccy>	[0..1]	CodeSet	C1	1348
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1348
	InterchangeFeeAmount <IntrchgFeeAmt>	[0..1]	Amount		1348
	InterchangeFeeCurrency <IntrchgFeeCcy>	[0..1]	CodeSet	C1	1348
	InterchangeFeeCreditDebit <IntrchgFeeCdtDbt>	[0..1]	CodeSet		1349
	ProcessingFeeAmount <PrcgFeeAmt>	[0..1]	Amount		1349
	ProcessingFeeCurrency <PrcgFeeCcy>	[0..1]	CodeSet	C1	1349
	ProcessingFeeCreditDebit <PrcgFeeCdtDbt>	[0..1]	CodeSet		1349

43.4.20.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

43.4.20.2 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.20.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.20.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.20.5 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Amount value of interchange fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.20.6 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.20.7 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.20.8 ProcessingFeeAmount <PrcgFeeAmt>

Presence: [0..1]

Definition: Amount value of processing fee.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

43.4.20.9 ProcessingFeeCurrency <PrcgFeeCcy>

Presence: [0..1]

Definition: Currency code of processing fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

43.4.20.10 ProcessingFeeCreditDebit <PrcgFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the processing fee Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

43.4.21 FundsTransferAmount <FndsTrfAmt>

Presence: [0..1]

Definition: Contains the net funds transfer amount.

FundsTransferAmount <FndsTrfAmt> contains the following elements (see "Amount17" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1394
	Currency <Ccy>	[0..1]	CodeSet	C1	1394
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1394

43.4.22 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1350
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1350

43.4.22.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

43.4.22.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

43.4.23 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "SettlementService7" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

43.4.24 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

43.4.25 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

43.4.26 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

43.4.27 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1353
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1353
	DerivedInformation <DrvdInf>	[0..1]	Text		1354
	Algorithm <Algo>	[0..1]	Text		1354
	KeyLength <KeyLngth>	[0..1]	Text		1354
	KeyProtection <KeyPrtc>	[0..1]	Text		1354
	KeyIndex <KeyIndx>	[0..1]	Text		1354
	PaddingMethod <PddgMtd>	[0..1]	Text		1354
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1355
	EncryptedElement <NcrptdElmt>	[1..*]			1355
	Identification <Id>	[0..1]	Text		1355
	Data <Data>	[1..1]			1355
{Or	Binary <Binry>	[1..1]	Binary		1355
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1356
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1356
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1356

43.4.27.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

43.4.27.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

43.4.27.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

43.4.27.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

43.4.27.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

43.4.27.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

43.4.27.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

43.4.27.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

43.4.27.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

43.4.27.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1355
	Data <Data>	[1..1]			1355
{Or	Binary <Binry>	[1..1]	Binary		1355
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1356
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1356
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1356

43.4.27.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

43.4.27.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1355
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1356

43.4.27.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

43.4.27.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

43.4.27.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

43.4.27.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

43.4.28 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.29 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

43.4.30 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType41](#)" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngh>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIdx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

44 **casr.002.001.04** **SettlementReportingResponseV04**

44.1 **MessageDefinition Functionality**

The SettlementReportingResponse message is sent by any party (acquirer, agent or issuer) to an agent in response to a SettlementReportingInitiation message.

Outline

The SettlementReportingResponseV04 MessageDefinition is composed of 24 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. SettlementInstitution

financial institution (or its agent) at which the accounts are held by the parties settling. This institution, acting on information provided by the parties, transfers the appropriate funds between the accounts.

C. Originator

Information related to the originator.

D. Sender

Information related to the sender.

E. Receiver

Information related to the receiver.

F. Destination

Information related to the destination.

G. FinancialInstitution

Financial Institution to which the settlement totals apply.

H. OtherInstitution

Additional institution involved in settlement. For example, the other party involved in bilateral settlement agreement.

I. Programme

Programme, network, or brand processes the transaction.

J. SystemTraceAuditNumber

Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

K. TransmissionDateTime

Date and time expressed in UTC of the message as sent by the initiator.

L. RetrievalReferenceNumber

A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

M. LifeCycleIdentification

Transaction lifecycle identification

N. Jurisdiction

Contains information that identifies or is specific to a transaction jurisdiction.

O. SettlementService

Type of settlement service for specific services requiring settlement.

P. AdditionalFee

Fees not included in the transaction amount.

Q. Reconciliation

Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

R. TransactionDescription

Transaction data related to programmes and services, content and format based on bilateral agreements.

S. OriginalResponseCode

Original Response code.

T. ProcessingResult

Processing results of the settlement service.

U. ProtectedData

Contains protected data and the attributes used to protect the data.

V. PrivateData

Reserved for private data. The use of this data element is determined by bilateral agreement.

W. NationalData

Reserved to define data unique to the country applications.

X. SecurityTrailer

Trailer of the message containing a MAC.

44.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SttlmRptgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		1362
	SettlementInstitution <SttlmInstn>	[0..1]	±		1362
	Originator <Orgtr>	[0..1]	±		1363
	Sender <Sndr>	[0..1]	±		1363
	Receiver <Rcvr>	[0..1]	±		1364
	Destination <Dstn>	[0..1]	±		1364
	FinancialInstitution <FI>	[0..1]			1365
	Identification <Id>	[1..1]	Text		1365
	BusinessIdentification <BizId>	[0..1]	Text		1366
	Country <Ctry>	[0..1]	CodeSet		1366
	BusinessName <BizNm>	[0..1]	Text		1366
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1366
	AccountNumber <AcctNb>	[0..1]	Text		1366
	Address <Adr>	[0..1]	±		1366
	PrivateData <PrvtData>	[0..*]	(External Schema)		1367
	NationalData <NtlData>	[0..*]	(External Schema)		1367
	LocalData <LclData>	[0..*]	±		1367
	OtherInstitution <OthrInstn>	[0..1]			1368
	Identification <Id>	[1..1]	Text		1368
	BusinessIdentification <BizId>	[0..1]	Text		1368
	Country <Ctry>	[0..1]	CodeSet		1369
	BusinessName <BizNm>	[0..1]	Text		1369
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1369
	AccountNumber <AcctNb>	[0..1]	Text		1369
	Address <Adr>	[0..1]	±		1369
	PrivateData <PrvtData>	[0..*]	(External Schema)		1370
	NationalData <NtlData>	[0..*]	(External Schema)		1370
	LocalData <LclData>	[0..*]	±		1370
	Programme <Prgrmm>	[0..*]	±		1371

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1371
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1371
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1371
	LifeCycleId <LifeCyclId>	[0..1]	Text		1372
	Jurisdiction <Jursdctn>	[0..1]			1372
	DomesticIndicator <Dmstlnd>	[0..1]	Indicator		1372
	DomesticQualification <DmstQlfcnt>	[0..1]	Text		1372
	SettlementService <SttlmSvc>	[0..1]	±		1372
	AdditionalFee <AddtlFee>	[0..*]	±		1373
	Reconciliation <Rcncltn>	[0..1]	±		1374
	TransactionDescription <TxDesc>	[0..1]	Text		1374
	OriginalResponseCode <OrgnlRspnCd>	[0..1]	CodeSet		1375
	ProcessingResult <PrcgRslt>	[1..1]	±		1375
	ProtectedData <PrtctdData>	[0..*]			1375
	Control <Ctrl>	[0..1]	Text		1376
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1376
	DerivedInformation <DrvdInf>	[0..1]	Text		1376
	Algorithm <Algo>	[0..1]	Text		1377
	KeyLength <KeyLngth>	[0..1]	Text		1377
	KeyProtection <KeyPrtcn>	[0..1]	Text		1377
	KeyIndex <KeyIndx>	[0..1]	Text		1377
	PaddingMethod <PddgMtd>	[0..1]	Text		1377
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1377
	EncryptedElement <NcrptdElmt>	[1..*]			1378
	Identification <Id>	[0..1]	Text		1378
	Data <Data>	[1..1]			1378
{Or	Binary <Binry>	[1..1]	Binary		1378
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1378
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1379
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1379
	PrivateData <PrvtData>	[0..*]	(External Schema)		1379

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	NationalData <NtlData>	[0..*]	(External Schema)		1379
	SecurityTrailer <SctyTrlr>	[0..1]	±		1379

44.3 Constraints

C1 ValidationByTable

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

44.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

44.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "[Header72](#)" on [page 1895](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <XchgId>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <ColltnId>	[0..1]	Text		1897
	BatchIdentification <BtchId>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyId>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyId>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

44.4.2 SettlementInstitution <SttlmInstn>

Presence: [0..1]

Definition: financial institution (or its agent) at which the accounts are held by the parties settling. This institution, acting on information provided by the parties, transfers the appropriate funds between the accounts.

SettlementInstitution <SttlmInstn> contains the following elements (see "[SettlementInstitutionData1](#)" on page 1954 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1955
	BusinessIdentification <BizId>	[0..1]	Text		1955
	Country <Ctry>	[0..1]	CodeSet		1955
	BusinessName <BizNm>	[0..1]	Text		1955
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1955
	Address <Adr>	[0..1]	±		1955
	PrivateData <PrvtData>	[0..*]	(External Schema)		1956
	NationalData <NtlData>	[0..*]	(External Schema)		1956
	LocalData <LclData>	[0..*]	±		1956

44.4.3 Originator <Orgtr>

Presence: [0..1]

Definition: Information related to the originator.

Originator <Orgtr> contains the following elements (see "[OriginatorData2](#)" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

44.4.4 Sender <Sndr>

Presence: [0..1]

Definition: Information related to the sender.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

44.4.5 Receiver <Rcvr>

Presence: [0..1]

Definition: Information related to the receiver.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

44.4.6 Destination <Dstn>

Presence: [0..1]

Definition: Information related to the destination.

Destination <Dstn> contains the following elements (see "[DestinationData1](#)" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

44.4.7 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial Institution to which the settlement totals apply.

FinancialInstitution <FI> contains the following **FinancialInstitutionData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1365
	BusinessIdentification <BizId>	[0..1]	Text		1366
	Country <Ctry>	[0..1]	CodeSet		1366
	BusinessName <BizNm>	[0..1]	Text		1366
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1366
	AccountNumber <AcctNb>	[0..1]	Text		1366
	Address <Adr>	[0..1]	±		1366
	PrivateData <PrvtData>	[0..*]	(External Schema)		1367
	NationalData <NtlData>	[0..*]	(External Schema)		1367
	LocalData <LclData>	[0..*]	±		1367

44.4.7.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Datatype: "[Max35Text](#)" on page 2163

44.4.7.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for financial institution.

Datatype: "Max15AlphaNumericText" on page 2159

44.4.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the financial institution.

Datatype: "ISO3NumericCountryCode" on page 2124

44.4.7.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the financial institution.

Datatype: "Max35Text" on page 2163

44.4.7.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the financial institution.

Datatype: "Max99Text" on page 2168

44.4.7.6 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "Max35Text" on page 2163

44.4.7.7 Address <Adr>

Presence: [0..1]

Definition: Address of the settlement institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

44.4.7.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.7.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.7.10 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcdgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

44.4.8 OtherInstitution <OthrInstn>

Presence: [0..1]

Definition: Additional institution involved in settlement. For example, the other party involved in bilateral settlement agreement.

OtherInstitution <OthrInstn> contains the following **FinancialInstitutionData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1368
	BusinessIdentification <BizId>	[0..1]	Text		1368
	Country <Ctry>	[0..1]	CodeSet		1369
	BusinessName <BizNm>	[0..1]	Text		1369
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1369
	AccountNumber <AcctNb>	[0..1]	Text		1369
	Address <Adr>	[0..1]	±		1369
	PrivateData <PrvtData>	[0..*]	(External Schema)		1370
	NationalData <NtlData>	[0..*]	(External Schema)		1370
	LocalData <LclData>	[0..*]	±		1370

44.4.8.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 2163

44.4.8.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for financial institution.

Datatype: "Max15AlphaNumericText" on page 2159

44.4.8.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the financial institution.

Datatype: "ISO3NumericCountryCode" on page 2124

44.4.8.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the financial institution.

Datatype: "Max35Text" on page 2163

44.4.8.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the financial institution.

Datatype: "Max99Text" on page 2168

44.4.8.6 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "Max35Text" on page 2163

44.4.8.7 Address <Adr>

Presence: [0..1]

Definition: Address of the settlement institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

44.4.8.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.8.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.8.10 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

44.4.9 Programme <Prgrmm>

Presence: [0..*]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "ProgrammeMode6" on page 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <ApIdId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

44.4.10 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

Datatype: "Max12NumericText" on page 2159

44.4.11 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

44.4.12 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

44.4.13 LifeCycleIdentification <LifeCycleId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

44.4.14 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1372
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1372

44.4.14.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

44.4.14.2 DomesticQualification <DmstQlfctn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: "Max35Text" on page 2163

44.4.15 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService7](#)" on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

44.4.16 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

44.4.17 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

44.4.18 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

44.4.19 OriginalResponseCode <OrgnlRspnCd>

Presence: [0..1]

Definition: Original Response code.

Datatype: "ISO8583ResponseCode" on page 2127

44.4.20 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Processing results of the settlement service.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult30" on page 2071 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

44.4.21 ProtectedData <PrtctdData>

Presence: [0..*]

Definition: Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1376
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1376
	DerivedInformation <DrvdInf>	[0..1]	Text		1376
	Algorithm <Algo>	[0..1]	Text		1377
	KeyLength <KeyLngth>	[0..1]	Text		1377
	KeyProtection <KeyPrtc>	[0..1]	Text		1377
	KeyIndex <KeyIndx>	[0..1]	Text		1377
	PaddingMethod <PddgMtd>	[0..1]	Text		1377
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1377
	EncryptedElement <NcrptdElmt>	[1..*]			1378
	Identification <Id>	[0..1]	Text		1378
	Data <Data>	[1..1]			1378
{Or	Binary <Binry>	[1..1]	Binary		1378
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1378
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1379
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1379

44.4.21.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

44.4.21.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

44.4.21.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

44.4.21.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

44.4.21.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

44.4.21.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

44.4.21.7 KeyIndex <KeyIdx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

44.4.21.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

44.4.21.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

44.4.21.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1378
	Data <Data>	[1..1]			1378
{Or	Binary <Binry>	[1..1]	Binary		1378
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1378
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1379
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1379

44.4.21.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

44.4.21.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1378
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1378

44.4.21.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

44.4.21.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

44.4.21.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

44.4.21.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

44.4.22 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.23 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

44.4.24 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType41" on page 2066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLength>	[0..1]	Text		2068
	KeyProtection <KeyPrtcn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

45 Message Items Types

45.1 MessageComponents

45.1.1 Account

45.1.1.1 AccountDetails4

Definition: Details of a bank account

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

45.1.1.1.1 Name <Nm>

Presence: [0..1]

Definition: Name of the account as assigned by the account servicing institution in an agreement with the account owner in order to provide an additional means of identification of the account.

Datatype: "Max70Text" on page 2167

45.1.1.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Conforms to ISO 8583, Account type codes, which are maintained by the ISO 8583/MA (Maintenance Agency).

Datatype: "ISO8583AccountTypeCode" on page 2125

45.1.1.1.3 Identification <Id>

Presence: [0..1]

Definition: Identification of an account.

Datatype: "Max70Text" on page 2167

45.1.1.2 Wallet4

Definition: Container for tenders used by the customer to perform the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWlftChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

45.1.1.2.1 ProviderName <PrvdrNm>

Presence: [0..1]

Definition: Name of the wallet provider.

Datatype: "Max70Text" on page 2167

45.1.1.2.2 ProviderBusinessName <PrvdrBizNm>

Presence: [0..1]

Definition: Business name of the wallet provider.

Datatype: "Max35Text" on page 2163

45.1.1.2.3 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identification of the wallet provider.

Datatype: "Max35Text" on page 2163

45.1.1.2.4 ProviderLegalCorporateName <PrvdrLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the wallet provider.

Datatype: "Max99Text" on page 2168

45.1.1.2.5 ProviderAddress <PrvdrAdr>

Presence: [0..1]

Definition: Address of the wallet provider.

ProviderAddress <PrvdrAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.1.2.6 ProviderLocalData <PrvdrLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of the wallet provider data.

ProviderLocalData <PrvdrLclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.1.2.7 PANAge <PANAge>

Presence: [0..1]

Definition: Number of days that the user's PAN has been on file for the user.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.8 UserAccountAge <UsrAcctAge>

Presence: [0..1]

Definition: Number of days since the user wallet account for this user exists.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.9 AccountAge <AcctAge>

Presence: [0..1]

Definition: Number of days since the user created the wallet account or started using the wallet.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.10 DaysSinceLastActivity <DaysSncLastActvty>

Presence: [0..1]

Definition: Number of days since the last activity on the wallet.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.11 Activity <Actvty>

Presence: [0..1]

Definition: Number of transactions on this wallet within an interval.

Datatype: "Max10PositiveNumber" on page 2153

45.1.1.2.12 ActivityInterval <ActvtyIntrvl>

Presence: [0..1]

Definition: Identifies the interval of the activity.

Datatype: "Frequency12Code" on page 2120

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.

45.1.1.2.13 LastWalletChange <LastWlItChng>

Presence: [0..1]

Definition: Number of days since wallet settings were changed.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.14 SuspendedCards <SspdCrds>

Presence: [0..1]

Definition: Number of cards suspended in the wallet.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.15 AccountCountry <AcctCtry>

Presence: [0..1]

Definition: Country of the wallet account.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.1.2.16 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Method used to capture the card details for the wallet. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading12Code" on page 2109

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
CAMR	Camera	Card details captured via camera.
KEEN	KeyEntered	Key entered.
ICPY	ICCPximity	ICC contactless proximity

CodeName	Name	Definition
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
CDFL	CardOnFile	Card information are stored on a file.
MBNK	MobileBankingApplication	Card details were obtained via a mobile banking application.
TOKN	Token	Card details were obtained via a token.
ICCP	ICCPContactPartial	Integrated circuit card read; only partial data is available.

45.1.1.2.17 AccountEmailAge <AcctEmailAge>

Presence: [0..1]

Definition: Number of days the email address has been in the wallet.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.18 ProviderRiskAssessment <PrvdrRskAssmnt>

Presence: [0..1]

Definition: Wallet Provider Risk Assessment.

Datatype: "RiskAssessment1Code" on page 2141

CodeName	Name	Definition
APPC	ApproveConditionally	Recommended to approve conditionally.
APPH	ApproveConditionallyWithHighRisk	Recommended to approve conditionally; high risk conditions exist.
APPU	ApproveUnconditionally	Recommended to approve unconditionally.
DONT	DoNotApprove	Recommended to not approve.

45.1.1.2.19 ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>

Presence: [0..1]

Definition: Wallet Provider Risk Assessment Model Version used to create scores.

Datatype: "Max35Text" on page 2163

45.1.1.2.20 ProviderPhoneScore <PrvdrPhneScore>

Presence: [0..1]

Definition: A value to determine trust level of the phone number.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.21 ProviderDeviceScore <PrvdrDvcScore>

Presence: [0..1]

Definition: A value to determine trust level of the device.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.22 ProviderAccountScore <PrvdrAcctScore>

Presence: [0..1]

Definition: A value to determine trust level of the account.

Datatype: "Max5PositiveNumber" on page 2153

45.1.1.2.23 ProviderReasonCode <PrvdrRsnCd>

Presence: [0..1]

Definition: Code indicates the reason that wallet provider assess the risk score.

Datatype: "Max35Text" on page 2163

45.1.1.2.24 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.1.2.25 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.2 Address

45.1.2.1 LocalAddress1

Definition: Structured postal address in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		1388
	AddressLine2 <AdrLine2>	[0..1]	Text		1388
	StreetName <StrtNm>	[0..1]	Text		1388
	BuildingNumber <BldgNb>	[0..1]	Text		1388
	PostalCode <PstlCd>	[0..1]	Text		1388
	TownName <TwnNm>	[0..1]	Text		1388
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1389
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1389

45.1.2.1.1 AddressLine1 <AdrLine1>

Presence: [0..1]

Definition: First line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max200Text" on page 2161

45.1.2.1.2 AddressLine2 <AdrLine2>

Presence: [0..1]

Definition: Second line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max200Text" on page 2161

45.1.2.1.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max200Text" on page 2161

45.1.2.1.4 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max35Text" on page 2163

45.1.2.1.5 PostalCode <PstlCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max35Text" on page 2163

45.1.2.1.6 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max100Text" on page 2157

45.1.2.1.7 CountrySubDivisionMinorName <CtrySubDvsnMnrNm>

Presence: [0..1]

Definition: Name of the country sub division minor.

Datatype: "Max100Text" on page 2157

45.1.2.1.8 CountrySubDivisionMajorName <CtrySubDvsnMjrNm>

Presence: [0..1]

Definition: Name of the country sub division major.

Datatype: "Max100Text" on page 2157

45.1.2.2 Address4

Definition: Structured postal address.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.2.2.1 Line1 <Line1>

Presence: [0..1]

Definition: First line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max99Text" on page 2168

45.1.2.2.2 Line2 <Line2>

Presence: [0..1]

Definition: Second line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max99Text" on page 2168

45.1.2.2.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max99Text" on page 2168

45.1.2.2.4 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 2160

45.1.2.2.5 PostalCode <PstlCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max16Text" on page 2160

45.1.2.2.6 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max50Text" on page 2166

45.1.2.2.7 CountrySubDivisionMinor <CtrySubDvsnMnr>

Presence: [0..1]

Definition: Identifies a minor subdivision of a country, for instance county, prefecture.

In accordance with ISO 3166-2 or the local authority.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.2.2.8 CountrySubDivisionMajor <CtrySubDvsnMjr>

Presence: [0..1]

Definition: Identifies a major subdivision of a country, for instance state, province.

In accordance with ISO 3166-2 or the local authority.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.2.2.9 CountrySubDivisionMajorName <CtrySubDvsnMjrNm>

Presence: [0..1]

Definition: Name of a major subdivision of a country, for instance county, prefecture.

Datatype: "Max50Text" on page 2166

45.1.2.2.10 CountrySubDivisionMinorName <CtrySubDvsnMnrNm>

Presence: [0..1]

Definition: Name of a minor subdivision of a country, for instance county, prefecture.

Datatype: "Max50Text" on page 2166

45.1.2.2.11 Country <Ctry>

Presence: [0..1]

Definition: Nation with its own government occupying a particular territory.

In accordance with ISO 3166-1.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.2.2.12 GeographicLocation <GeogcLctn>

Presence: [0..1]

Definition: Location of the acceptor in latitude/longitude decimal degrees.

Datatype: "GeographicPointInDecimalDegreesText" on page 2157

45.1.2.3 LocalAddress2

Definition: Structured postal address in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.2.3.1 Line1 <Line1>

Presence: [0..1]

Definition: First line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max200Text" on page 2161

45.1.2.3.2 Line2 <Line2>

Presence: [0..1]

Definition: Second line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max200Text" on page 2161

45.1.2.3.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max200Text" on page 2161

45.1.2.3.4 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max35Text" on page 2163

45.1.2.3.5 PostalCode <PstlCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max35Text" on page 2163

45.1.2.3.6 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max100Text" on page 2157

45.1.2.3.7 CountrySubDivisionMinorName <CtrySubDvsnMnrNm>

Presence: [0..1]

Definition: Name of the country sub division minor.

Datatype: "Max100Text" on page 2157

45.1.2.3.8 CountrySubDivisionMajorName <CtrySubDvsnMjrNm>

Presence: [0..1]

Definition: Name of the country sub division major.

Datatype: "Max100Text" on page 2157

45.1.3 Amount

45.1.3.1 AuthorisedAmount2

Definition: Provides the amount reserved to cover the anticipated charges associated with the lodging stay.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1393
	Time <Tm>	[0..1]	Time		1393
	Amount <Amt>	[1..1]	Amount		1393
	Description <Desc>	[0..1]	Text		1393

45.1.3.1.1 Date <Dt>

Presence: [0..1]

Definition: Date of the amount authorized

Datatype: "ISODate" on page 2151

45.1.3.1.2 Time <Tm>

Presence: [0..1]

Definition: Time of the amount authorized

Datatype: "ISOTime" on page 2169

45.1.3.1.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.1.4 Description <Desc>

Presence: [0..1]

Definition: Description about the authorized amount.

Datatype: "Max350Text" on page 2163

45.1.3.2 Amount13

Definition: Contains the details of the billing amount

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1393
	Description <Desc>	[0..1]	Text		1394
	Amount <Amt>	[1..1]	Amount		1394

45.1.3.2.1 Type <Tp>

Presence: [0..1]

Definition: Describes the amount type.

Datatype: "Max35Text" on page 2163

45.1.3.2.2 Description <Desc>

Presence: [0..1]

Definition: Additional information about the amount.

Datatype: "Max35Text" on page 2163

45.1.3.2.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.3 Amount17

Definition: Signed amount in a given currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1394
	Currency <Ccy>	[0..1]	CodeSet	C1	1394
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1394

45.1.3.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.3.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.3.4 TransactionAmounts5

Definition: Amounts of the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

45.1.3.4.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifier or type of amount.

Datatype: "TypeOfAmount22Code" on page 2145

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default amount.
DPST	Deposit	Deposit amount.
ESTM	Estimated	Estimated amount (the final amount could be above or below).
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
PRXY	Proxy	Substitute for an amount to be authorised.
RESD	Reserved	Reserved or updated reserved amount for reservation.

45.1.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount of the transaction expressed in the currency of the terminal or as a reversed amount of a previous authorisation.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.4.3 Currency <Ccy>

Presence: [1..1]

Definition: Currency code associated with the transaction amount. ISO 4217 "Codes for the representation of currencies and funds"

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.4.4 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Amount of the transaction in cardholder billing currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.4.5 CardholderBillingCurrency <CrdhldrBllgCcy>

Presence: [0..1]

Definition: Currency code of Cardholder and associated with cardholder billing amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.4.6 CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to cardholder billing amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.4.7 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount of the transaction in Reconciliation currency

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.4.8 ReconciliationCurrency <RcncltnCcy>

Presence: [0..1]

Definition: Currency code of Reconciliation and associated with Reconciliation amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.4.9 ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to reconciliation amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.4.10 DetailedAmount <DtldAmt>

Presence: [0..*]

Definition: Further details of some or all amounts in the transaction amount.

DetailedAmount <DtldAmt> contains the following elements (see "DetailedAmount24" on page 1406 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1406
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Amount <Amt>	[1..1]	Amount		1407
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	Amount		1407
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1407
	Description <Desc>	[0..1]	Text		1407

45.1.3.5 InstalmentAmountData1

Definition: Instalment amount details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1398
	SubType <SubTp>	[0..1]	Text		1398
	Amount <Amt>	[1..1]	Amount		1398
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1398
	Percentage <Pctg>	[0..1]	Rate		1399

45.1.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Instalment amount detail type. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "InstalmentAmountDetailsType4Code" on page 2123

CodeName	Name	Definition
AFCO	AnnualFinancingCost	Total financing cost per annum.
EXPN	Expense	Expense Amount
FEES	Fees	Fees amount
FUNA	Funded	Funded amount
INSU	Insurance	Insurance amount
INTR	Interest	Interest amount.
OTHC	OtherCharges	Other amounts
PRNC	Principal	Principal amount.
RQST	Requested	Requested amount
TAXX	Tax	Instalment amount tax
DCNT	Discount	Discount.

45.1.3.5.2 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 2163

45.1.3.5.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.5.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.3.5.5 Percentage <Pctg>

Presence: [0..1]

Definition: Rate expressed as a percentage, that is, in hundredths, example, 0.7 is 7/10 of a percent, and 7.0 is 7%.

Datatype: "PercentageRate" on page 2154

45.1.3.6 TransactionAmounts6

Definition: Amounts of the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1399
	Amount <Amt>	[0..1]	Amount		1400
	Currency <Ccy>	[0..1]	CodeSet	C1	1400
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1400
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1400
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1401
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1401
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1401
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1401
	DetailedAmount <DtldAmt>	[0..*]	±		1401

45.1.3.6.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifier or type of amount.

Datatype: "TypeOfAmount22Code" on page 2145

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default amount.
DPST	Deposit	Deposit amount.
ESTM	Estimated	Estimated amount (the final amount could be above or below).

CodeName	Name	Definition
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
PRXY	Proxy	Substitute for an amount to be authorised.
RESD	Reserved	Reserved or updated reserved amount for reservation.

45.1.3.6.2 Amount <Amt>

Presence: [0..1]

Definition: Amount of the transaction expressed in the currency of the terminal or as a reversed amount of a previous authorisation.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.6.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the transaction amount. ISO 4217 "Codes for the representation of currencies and funds"

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.6.4 CardholderBillingAmount <CrdhldrBlIgAmt>

Presence: [0..1]

Definition: Amount of the transaction in cardholder billing currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.6.5 CardholderBillingCurrency <CrdhldrBlIgCcy>

Presence: [0..1]

Definition: Currency code of Cardholder and associated with cardholder billing amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.6.6 CardholderBillingEffectiveExchangeRate <CrdhldrBlgFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to cardholder billing amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.6.7 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount of the transaction in Reconciliation currency

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.6.8 ReconciliationCurrency <RcncltnCcy>

Presence: [0..1]

Definition: Currency code of Reconciliation and associated with Reconciliation amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.6.9 ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to reconciliation amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.6.10 DetailedAmount <DtldAmt>

Presence: [0..*]

Definition: Further details of some or all amounts in the transaction amount.

DetailedAmount <DtIdAmt> contains the following elements (see "DetailedAmount24" on page 1406 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1406
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Amount <Amt>	[1..1]	Amount		1407
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1407
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1407
	Description <Desc>	[0..1]	Text		1407

45.1.3.7 OriginalTransactionAmounts4

Definition: Amounts of the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1402
	Amount <Amt>	[1..1]	Amount		1403
	Currency <Ccy>	[0..1]	CodeSet	C1	1403
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1403
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1403
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1404
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1404
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1404
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1404

45.1.3.7.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifier or type of amount.

ISO 8583:93/2003 bit 24

Datatype: "TypeOfAmount22Code" on page 2145

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default amount.
DPST	Deposit	Deposit amount.

CodeName	Name	Definition
ESTM	Estimated	Estimated amount (the final amount could be above or below).
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
PRXY	Proxy	Substitute for an amount to be authorised.
RESD	Reserved	Reserved or updated reserved amount for reservation.

45.1.3.7.2 Amount <Amt>

Presence: [1..1]

Definition: Amount of the transaction expressed in the currency of the terminal or as a reversed amount of a previous authorisation.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.7.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the transaction amount. ISO 4217 "Codes for the representation of currencies and funds"

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.7.4 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Amount of the transaction in cardholder billing currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.7.5 CardholderBillingCurrency <CrdhldrBllgCcy>

Presence: [0..1]

Definition: Currency code of Cardholder and associated with cardholder billing amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.7.6 CardholderBillingEffectiveExchangeRate <CrdhldrBlgFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to cardholder billing amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.7.7 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount of the transaction in Reconciliation currency

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.7.8 ReconciliationCurrency <RcncltnCcy>

Presence: [0..1]

Definition: Currency code of Reconciliation and associated with Reconciliation amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.7.9 ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to reconciliation amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.3.8 AdditionalAmounts5

Definition: Limits and amounts not part of the transaction amount. Not included in reconciliation totals.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

45.1.3.8.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Code used to describe the accounts affected.

Conforms to ISO 8583, Account type codes, which are maintained by the ISO 8583/MA (Maintenance Agency).

Datatype: "ISO8583AccountTypeCode" on page 2125

45.1.3.8.2 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "ISO8583AmountTypeCode" on page 2126

45.1.3.8.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of amount.

Datatype: "Max35Text" on page 2163

45.1.3.8.4 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.8.5 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.3.8.6 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the Amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.3.8.7 Description <Desc>

Presence: [0..1]

Definition: Short description of the additional amount.

Datatype: "Max70Text" on page 2167

45.1.3.9 DetailedAmount24

Definition: Breakdown of the transaction amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1406
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Amount <Amt>	[1..1]	Amount		1407
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	Amount		1407
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1407
	Description <Desc>	[0..1]	Text		1407

45.1.3.9.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "ISO8583AmountTypeCode" on page 2126

45.1.3.9.2 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.3.9.3 Amount <Amt>

Presence: [1..1]

Definition: Detailed amount expressed in the transaction currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.9.4 CardholderBillingAmount <CrdblBllgAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the cardholder billing currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.9.5 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the reconciliation currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.3.9.6 Description <Desc>

Presence: [0..1]

Definition: Short description of the detailed amount.

Datatype: "Max70Text" on page 2167

45.1.4 Balance

45.1.4.1 AccountStatementData3

Definition: Statement information of an account.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1408
	Time <Tm>	[0..1]	Time		1408
	Details <Dtls>	[0..*]			1408
	TransactionDate <TxDt>	[1..1]	Date		1409
	Pending <Pdg>	[0..1]	Indicator		1409
	PostingDate <PstngDt>	[0..1]	Date		1409
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1409
	Amount <Amt>	[0..1]	Amount		1410
	Currency <Ccy>	[0..1]	CodeSet	C1	1410
	CardholderBillingAmount <CrdhldrBlgAmt>	[0..1]	Amount		1410
	CardholderBillingCurrency <CrdhldrBlgCcy>	[0..1]	CodeSet	C1	1410
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		1410
	ShortDescription <ShrtDesc>	[0..1]	Text		1411
	LongDescription <LngDesc>	[0..1]	Text		1411

45.1.4.1.1 Date <Dt>

Presence: [0..1]

Definition: Date the statement is generated.

Datatype: "ISODate" on page 2151

45.1.4.1.2 Time <Tm>

Presence: [0..1]

Definition: Time the account statement is generated.

Datatype: "ISOTime" on page 2169

45.1.4.1.3 Details <Dtls>

Presence: [0..*]

Definition: Statement information.

Details <DtIs> contains the following **AccountStatementDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDate <TxDt>	[1..1]	Date		1409
	Pending <Pdg>	[0..1]	Indicator		1409
	PostingDate <PstngDt>	[0..1]	Date		1409
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1409
	Amount <Amt>	[0..1]	Amount		1410
	Currency <Ccy>	[0..1]	CodeSet	C1	1410
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1410
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1410
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		1410
	ShortDescription <ShrtDesc>	[0..1]	Text		1411
	LongDescription <LngDesc>	[0..1]	Text		1411

45.1.4.1.3.1 TransactionDate <TxDt>

Presence: [1..1]

Definition: Date of the transaction.

Datatype: "ISODate" on page 2151

45.1.4.1.3.2 Pending <Pdg>

Presence: [0..1]

Definition: True indicates transaction is pending.

False indicates transaction has already posted.

No default value.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.4.1.3.3 PostingDate <PstngDt>

Presence: [0..1]

Definition: Posting date of the transaction.

Datatype: "ISODate" on page 2151

45.1.4.1.3.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.4.1.3.5 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.4.1.3.6 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the applicable type of amount.

ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.4.1.3.7 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Amount value in Cardholder billing currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.4.1.3.8 CardholderBillingCurrency <CrdhldrBllgCcy>

Presence: [0..1]

Definition: Cardholder billing Currency code.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.4.1.3.9 AcceptorNameAndLocation <AccptrNmAndLctn>

Presence: [0..1]

Definition: Currency of the amount.

Datatype: "Max99Text" on page 2168

45.1.4.1.3.10 ShortDescription <ShrtDesc>

Presence: [0..1]

Definition: Short transaction description to print or display.

Datatype: "Max70Text" on page 2167

45.1.4.1.3.11 LongDescription <LngDesc>

Presence: [0..1]

Definition: Long transaction description to print or display.

Datatype: "Max256Text" on page 2162

45.1.4.2 CardAccountBalance1

Definition: Card account balance.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1411
	Amount <Amt>	[1..1]	Amount		1411
	Currency <Ccy>	[0..1]	CodeSet	C1	1411
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1412
	CardholderCurrency <CrdhldrCcy>	[0..1]	Indicator		1412
	BalanceDate <BalDt>	[0..1]	Date		1412

45.1.4.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of card account balance. it is a 2 digit alphanumeric value defined in ISO 8583 amount type code, range 00-1Z.

Datatype: "ISO8583AmountTypeCode" on page 2126

45.1.4.2.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.4.2.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the account.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.4.2.4 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Indicates whether the value of the balance id positive or negative.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.4.2.5 CardholderCurrency <CrdhldrCcy>

Presence: [0..1]

Definition: Indicates whether the value of balance is expressed in the currency of the cardholder or not.

True: Balance is expressed in the currency of the cardholder

False: Balance is expressed in a different currency.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.4.2.6 BalanceDate <BalDt>

Presence: [0..1]

Definition: Date of the balance.

Datatype: "ISODate" on page 2151

45.1.4.3 AccountBalance4

Definition: Balance of the account involved in the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	CodeSet		1412
	Balance <Bal>	[1..*]	±		1413

45.1.4.3.1 AccountType <AcctTp>

Presence: [1..1]

Definition: Account for which a balance is sought.

This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583AccountTypeCode" on page 2125

45.1.4.3.2 Balance <Bal>

Presence: [1..*]

Definition: Balance of the account.

Balance <Bal> contains the following elements (see "CardAccountBalance1" on page 1411 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1411
	Amount <Amt>	[1..1]	Amount		1411
	Currency <Ccy>	[0..1]	CodeSet	C1	1411
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1412
	CardholderCurrency <CrhldrCcy>	[0..1]	Indicator		1412
	BalanceDate <BalDt>	[0..1]	Date		1412

45.1.5 Batch Management

45.1.5.1 ClearingBatchData4

Definition: Clearing data at batch level. Allows clearing in different currencies.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1413
	Priority <Prt>	[0..1]	Text		1414
	Date <Dt>	[0..1]	Date		1414
	TotalsCount <TtlsCnt>	[0..1]	Quantity		1414
	TotalsAmount <TtlsAmt>	[0..1]	Amount		1414
	TotalsCurrency <TtlsCcy>	[0..1]	CodeSet	C1	1414
	TotalsCreditDebit <TtlsCdtDbt>	[0..1]	CodeSet		1415
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1415
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1415
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1415
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1415
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1416
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1416

45.1.5.1.1 Method <Mtd>

Presence: [1..1]

Definition: Type of clearing method used. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ClearingMethod3Code" on page 2114

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
RLTM	RealTime	Clearing done in real time.

45.1.5.1.2 Priority <Prt>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 2163

45.1.5.1.3 Date <Dt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 2151

45.1.5.1.4 TotalsCount <TtlsCnt>

Presence: [0..1]

Definition: Number of transactions to clear.

Datatype: "Number" on page 2154

45.1.5.1.5 TotalsAmount <TtlsAmt>

Presence: [0..1]

Definition: Gross clearing accumulated amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.1.6 TotalsCurrency <TtlsCcy>

Presence: [0..1]

Definition: Currency code of gross clearing accumulated amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.1.7 TotalsCreditDebit <TtlsCdtDbt>

Presence: [0..1]

Definition: Sign of the gross clearing accumulated amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.1.8 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Interchange fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.1.9 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.1.10 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.1.11 AgentFeeAmount <AgtFeeAmt>

Presence: [0..1]

Definition: Agent fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.1.12 AgentFeeCurrency <AgtFeeCcy>

Presence: [0..1]

Definition: Currency code Gross clearing accumulated amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.1.13 AgentFeeCreditDebit <AgtFeeCdtDbt>

Presence: [0..1]

Definition: Sign of agent fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.2 RecordMessage2Choice

Definition: Message to be sent in a batch transfer as a record.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		1418
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		1418
Or	Amendment <Amdmnt>	[1..1]	Binary		1418
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		1418
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		1418
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		1418
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		1418
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		1419
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		1419
Or	Error <Err>	[1..1]	Binary		1419
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		1419
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		1419
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		1419
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		1419
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		1419
Or	FinancialResponse <FinRspn>	[1..1]	Binary		1420
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		1420
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		1420
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		1420
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		1420
Or	InquiryVerificationInitiation <NqryVrfctnInitn>	[1..1]	Binary		1420
Or	InquiryVerificationResponse <NqryVrfctnRspn>	[1..1]	Binary		1420
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		1420
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		1420
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		1421
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		1421
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		1421
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		1421
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		1421
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		1421
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>	[1..1]	Binary		1421

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	RetrievalFulfilmentResponse <RtrvIFlfmtRspn>	[1..1]	Binary		1421
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		1422
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		1422
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		1422
Or}	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		1422

45.1.5.2.1 AddendumInitiation <AdddmInitn>

Presence: [1..1]

Definition: Addendum initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.2 AddendumResponse <AdddmRspn>

Presence: [1..1]

Definition: Addendum response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.3 Amendment <Amdmnt>

Presence: [1..1]

Definition: Amendment message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.4 AuthorisationInitiation <AuthstnInitn>

Presence: [1..1]

Definition: Authorisation initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.5 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Authorisation response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.6 CardManagementInitiation <CardMgmtInitn>

Presence: [1..1]

Definition: Card management initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.7 CardManagementResponse <CardMgmtRspn>

Presence: [1..1]

Definition: Card management response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.8 ChargeBackInitiation <ChrgBckInitn>

Presence: [1..1]

Definition: Chargeback initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.9 ChargeBackResponse <ChrgBckRspn>

Presence: [1..1]

Definition: Chargeback response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.10 Error <Err>

Presence: [1..1]

Definition: Error message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.11 FeeCollectionInitiation <FeeColltnInitn>

Presence: [1..1]

Definition: Fee collection initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.12 FeeCollectionResponse <FeeColltnRspn>

Presence: [1..1]

Definition: Fee collection response message record

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.13 FileActionInitiation <FileActnInitn>

Presence: [1..1]

Definition: File action initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.14 FileActionResponse <FileActnRspn>

Presence: [1..1]

Definition: File action response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.15 FinancialInitiation <FinInitn>

Presence: [1..1]

Definition: Financial initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.16 FinancialResponse <FinRspn>

Presence: [1..1]

Definition: Financial response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.17 FraudDispositionInitiation <FrdDspstnInitn>

Presence: [1..1]

Definition: Fraud disposition initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.18 FraudDispositionResponse <FrdDspstnRspn>

Presence: [1..1]

Definition: Fraud disposition response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.19 FraudReportingInitiation <FrdRptgInitn>

Presence: [1..1]

Definition: Fraud reporting initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.20 FraudReportingResponse <FrdRptgRspn>

Presence: [1..1]

Definition: Fraud reporting response record message.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.21 InquiryVerificationInitiation <NqryVrfctnInitn>

Presence: [1..1]

Definition: Inquiry initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.22 InquiryVerificationResponse <NqryVrfctnRspn>

Presence: [1..1]

Definition: Inquiry response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.23 KeyExchangeInitiation <KeyXchgInitn>

Presence: [1..1]

Definition: Key exchange initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.24 KeyExchangeResponse <KeyXchgRspn>

Presence: [1..1]

Definition: Key exchange response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.25 NetworkManagementInitiation <NtwkMgmtInitn>

Presence: [1..1]

Definition: Network management initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.26 NetworkManagementResponse <NtwkMgmtRspn>

Presence: [1..1]

Definition: Network management response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.27 ReconciliationInitiation <RcncltnInitn>

Presence: [1..1]

Definition: Reconciliation initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.28 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Reconciliation response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.29 RetrievalInitiation <RtrvlInitn>

Presence: [1..1]

Definition: Retrieval initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.30 RetrievalResponse <RtrvlRspn>

Presence: [1..1]

Definition: Retrieval response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.31 RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>

Presence: [1..1]

Definition: Retrieval fulfilment initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.32 RetrievalFulfilmentResponse <RtrvlFlfmtRspn>

Presence: [1..1]

Definition: Retrieval fulfilment response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.33 ReversalInitiation <RvslInitn>

Presence: [1..1]

Definition: Reversal initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.34 ReversalResponse <RvslRspn>

Presence: [1..1]

Definition: Reversal response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.35 SettlementReportingInitiation <SttlmRptgInitn>

Presence: [1..1]

Definition: Settlement reporting initiation message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.2.36 SettlementReportingResponse <SttlmRptgRspn>

Presence: [1..1]

Definition: Settlement reporting response message record.

Datatype: "Max2MBBinary" on page 2097

45.1.5.3 Record4

Definition: Message in file message identified as a batch record.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[1..1]	Quantity		1424
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		1424
	OriginatorIdentification <OrgtrId>	[0..1]	Text		1424
	OriginatorAssigner <OrgtrAssgnr>	[0..1]	Text		1424
	OriginatorCountry <OrgtrCtry>	[0..1]	CodeSet		1424
	OriginatorShortName <OrgtrShrtNm>	[0..1]	Text		1424
	DestinationIdentification <DstnId>	[0..1]	Text		1424
	DestinationAssigner <DstnAssgnr>	[0..1]	Text		1425
	DestinationCountry <DstnCtry>	[0..1]	CodeSet		1425
	DestinationShortName <DstnShrtNm>	[0..1]	Text		1425
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		1425
	ClearingPriority <ClrPrty>	[0..1]	Text		1425
	ClearingDate <ClrDt>	[0..1]	Date		1425
	ClearingAmount <ClrAmt>	[0..1]	Amount		1425
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1426
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1426
	InterchangeFeeAmount <IntrchnngFeeAmt>	[0..1]	Amount		1426
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1426
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1426
	AgentFeeAmount <AgtFeeAmt>	[0..1]	Amount		1427
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1427
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1427
	OtherAmount <OthrAmt>	[0..1]			1427
	ClearingCount <ClrCnt>	[1..1]	Quantity		1428
	ClearingAmount <ClrAmt>	[1..1]	Amount		1428
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1428
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1428
	InterchangeFeeAmount <IntrchnngFeeAmt>	[1..1]	Amount		1429
	InterchangeFeeCurrency <IntrchnngFeeCcy>	[0..1]	CodeSet	C1	1429
	InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>	[0..1]	CodeSet		1429
	AgentFeeAmount <AgtFeeAmt>	[1..1]	Amount		1429

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1429
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1430
	RecordMessage <RcrdMsg>	[1..1]	±		1430

45.1.5.3.1 SequenceCounter <SeqCntr>

Presence: [1..1]

Definition: Sequence counter of the record from 1 to n

Datatype: "Number" on page 2154

45.1.5.3.2 RecordChecksumInputValue <RcrdChcksmInptVal>

Presence: [0..1]

Definition: Value of the record to use for the computation of the checksum of the batch.

Datatype: "Max140Binary" on page 2097

45.1.5.3.3 OriginatorIdentification <OrgtrId>

Presence: [0..1]

Definition: Identification of the originator of the transaction.

Datatype: "Max35Text" on page 2163

45.1.5.3.4 OriginatorAssigner <OrgtrAssgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the originator identification.

Datatype: "Max35Text" on page 2163

45.1.5.3.5 OriginatorCountry <OrgtrCtry>

Presence: [0..1]

Definition: Country of the originator.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.5.3.6 OriginatorShortName <OrgtrShrtNm>

Presence: [0..1]

Definition: Short name of the originator.

Datatype: "Max35Text" on page 2163

45.1.5.3.7 DestinationIdentification <DstnId>

Presence: [0..1]

Definition: Identification of the destination of the transaction.

Datatype: "Max35Text" on page 2163

45.1.5.3.8 DestinationAssigner <DstnAssgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the destination identification.

Datatype: "Max35Text" on page 2163

45.1.5.3.9 DestinationCountry <DstnCtry>

Presence: [0..1]

Definition: Country of the destination.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.5.3.10 DestinationShortName <DstnShrtNm>

Presence: [0..1]

Definition: Short name of the destination.

Datatype: "Max35Text" on page 2163

45.1.5.3.11 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing of the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ClearingMethod3Code" on page 2114

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
RLTM	RealTime	Clearing done in real time.

45.1.5.3.12 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 2163

45.1.5.3.13 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 2151

45.1.5.3.14 ClearingAmount <ClrAmt>

Presence: [0..1]

Definition: Net clearing amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.15 ClearingCurrency <ClrCcy>

Presence: [0..1]

Definition: Currency code of the net clearing amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.16 ClearingCreditDebit <ClrCdtDbt>

Presence: [0..1]

Definition: Sign of net clearing amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.17 InterchangeFeeAmount <IntrchnngFeeAmt>

Presence: [0..1]

Definition: Interchange fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.18 InterchangeFeeCurrency <IntrchnngFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.19 InterchangeFeeCreditDebit <IntrchnngFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.20 AgentFeeAmount <AgtFeeAmt>

Presence: [0..1]

Definition: Agent fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.21 AgentFeeCurrency <AgtFeeCcy>

Presence: [0..1]

Definition: Currency code Gross clearing accumulated amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.22 AgentFeeCreditDebit <AgtFeeCdtDbt>

Presence: [0..1]

Definition: Sign of agent fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.23 OtherAmount <OthrAmt>

Presence: [0..1]

Definition: Other amounts involved in clearing.

OtherAmount <OthrAmt> contains the following **OtherAmount5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingCount <ClrCnt>	[1..1]	Quantity		1428
	ClearingAmount <ClrAmt>	[1..1]	Amount		1428
	ClearingCurrency <ClrCcy>	[0..1]	CodeSet	C1	1428
	ClearingCreditDebit <ClrCdtDbt>	[0..1]	CodeSet		1428
	InterchangeFeeAmount <IntrchgFeeAmt>	[1..1]	Amount		1429
	InterchangeFeeCurrency <IntrchgFeeCcy>	[0..1]	CodeSet	C1	1429
	InterchangeFeeCreditDebit <IntrchgFeeCdtDbt>	[0..1]	CodeSet		1429
	AgentFeeAmount <AgtFeeAmt>	[1..1]	Amount		1429
	AgentFeeCurrency <AgtFeeCcy>	[0..1]	CodeSet	C1	1429
	AgentFeeCreditDebit <AgtFeeCdtDbt>	[0..1]	CodeSet		1430

45.1.5.3.23.1 ClearingCount <ClrCnt>

Presence: [1..1]

Definition: Number of other amounts involved in clearing.

Datatype: "Number" on page 2154

45.1.5.3.23.2 ClearingAmount <ClrAmt>

Presence: [1..1]

Definition: Net clearing amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.23.3 ClearingCurrency <ClrCcy>

Presence: [0..1]

Definition: Currency code of the net clearing amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.23.4 ClearingCreditDebit <ClrCdtDbt>

Presence: [0..1]

Definition: Sign of net clearing amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.23.5 InterchangeFeeAmount <IntrchgFeeAmt>

Presence: [1..1]

Definition: Interchange fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.23.6 InterchangeFeeCurrency <IntrchgFeeCcy>

Presence: [0..1]

Definition: Currency code of interchange fee amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.23.7 InterchangeFeeCreditDebit <IntrchgFeeCdtDbt>

Presence: [0..1]

Definition: Sign of the interchange fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.23.8 AgentFeeAmount <AgtFeeAmt>

Presence: [1..1]

Definition: Agent fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.5.3.23.9 AgentFeeCurrency <AgtFeeCcy>

Presence: [0..1]

Definition: Currency code Gross clearing accumulated amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.5.3.23.10 AgentFeeCreditDebit <AgtFeeCdtDbt>

Presence: [0..1]

Definition: Sign of agent fee amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.5.3.24 RecordMessage <RcrdMsg>

Presence: [1..1]

Definition: Message to be sent in a batch transfer as a record.

RecordMessage <RcrdMsg> contains one of the following elements (see "[RecordMessage2Choice](#)" on page 1416 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		1418
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		1418
Or	Amendment <Amdmnt>	[1..1]	Binary		1418
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		1418
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		1418
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		1418
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		1418
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		1419
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		1419
Or	Error <Err>	[1..1]	Binary		1419
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		1419
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		1419
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		1419
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		1419
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		1419
Or	FinancialResponse <FinRspn>	[1..1]	Binary		1420
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		1420
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		1420
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		1420
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		1420
Or	InquiryVerificationInitiation <NqryVrfctnInitn>	[1..1]	Binary		1420
Or	InquiryVerificationResponse <NqryVrfctnRspn>	[1..1]	Binary		1420
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		1420
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		1420
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		1421
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		1421
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		1421
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		1421
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		1421
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		1421

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	RetrievalFulfilmentInitiation <RtrvIFlfmtInIt>	[1..1]	Binary		1421
Or	RetrievalFulfilmentResponse <RtrvIFlfmtRspn>	[1..1]	Binary		1421
Or	ReversalInitiation <RvslInIt>	[1..1]	Binary		1422
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		1422
Or	SettlementReportingInitiation <SttlmRptgInIt>	[1..1]	Binary		1422
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		1422

45.1.6 Card

45.1.6.1 CardData14

Definition: Non-protected sensitive data associated with the card or payment token performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1432
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1432
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1432
	PortfolioIdentifier <PrtlIdr>	[0..1]	Text		1433

45.1.6.1.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card or a surrogate of the PAN such as a payment token.

ISO 8583 bit 2

Datatype: "Max19NumericText" on page 2160

45.1.6.1.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: "Min2Max3NumericText" on page 2168

45.1.6.1.3 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: Unique non-financial reference assigned to a given PAN. May be used to link the transaction activity to that PAN.

ISO 8583:87 bit 56 (TLV tag 01/dataset 71)

ISO 8583:93 bit 112 (TLV tag 01/dataset 71)

ISO 8583:2003 bit 51 (TLV tag 01/dataset 71)

Datatype: "Max35Text" on page 2163

45.1.6.1.4 PortfolioIdentifier <Prtfldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 2163

45.1.6.2 CardData17

Definition: Non-protected sensitive data associated with the card or payment token performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

45.1.6.2.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card or a surrogate of the PAN such as a payment token.

Datatype: "Max19NumericText" on page 2160

45.1.6.2.2 ProtectedPAN <PrctdPAN>

Presence: [0..1]

Definition: To indicate whether the PAN is using ProtectedData for encryption or not.

False: The PAN is used in plain text

True: The PAN is encrypted by using ProtectedData

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.6.2.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

Datatype: ["Min2Max3NumericText"](#) on page 2168

45.1.6.2.4 EffectiveDate <FctvDt>

Presence: [0..1]

Definition: Date as from which the card can be used, expressed in one of the following formats: YYYY-MM-DD, YYYY-MM, YY-MM-DD.

Datatype: ["ISOYearMonth"](#) on page 2169

45.1.6.2.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or payment token.

Datatype: ["ISOYearMonth"](#) on page 2169

45.1.6.2.6 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content is conform to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: ["Max104Text"](#) on page 2157

45.1.6.2.7 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: Unique non-financial reference assigned to a given PAN. May be used to link the transaction activity to that PAN.

Datatype: ["Max35Text"](#) on page 2163

45.1.6.2.8 PANAccountRange <PANAcctRg>

Presence: [0..1]

Definition: Leading digits of the PAN that identifies the card portfolio (for example, Issuer Identification Number). This data should not to be presented to the card acceptor or its environment. (for example, acquirer should not to send or make available to merchant).

Datatype: ["Max19NumericText"](#) on page 2160

45.1.6.2.9 PANReferenceIdentifier <PANRefIdr>

Presence: [0..1]

Definition: PAN reference identifier.

Datatype: "Max35Text" on page 2163

45.1.6.2.10 PANFourLastDigits <PANFourLastDgts>

Presence: [0..1]

Definition: Last four digits of the PAN.

Datatype: "Max4NumericText" on page 2165

45.1.6.2.11 Country <Ctry>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

ISO 8583 bit 20

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.6.2.12 Currency <Ccy>

Presence: [0..1]

Definition: Currency code assigned to the card by the card issuer.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.6.2.13 ProductType <PdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 2163

45.1.6.2.14 ProductSubType <PdctSubTp>

Presence: [0..1]

Definition: Subtype of card product.

Datatype: "Max35Text" on page 2163

45.1.6.2.15 PortfolioIdentifier <PrtfIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 2163

45.1.6.2.16 Brand <Brnd>

Presence: [0..1]

Definition: Brand of the card or transaction.

Datatype: "Max35Text" on page 2163

45.1.6.2.17 AccountFundingSource <AcctFndgSrc>

Presence: [0..1]

Definition: The account funding source applied to the transaction.

Datatype: "Max10Text" on page 2158

45.1.6.2.18 Segment <Sgmt>

Presence: [0..1]

Definition: Classification or type of the card user, such as commercial, consumer.

Datatype: "Max10Text" on page 2158

45.1.6.2.19 Scheme <Schme>

Presence: [0..1]

Definition: Switch that processed the transaction.

Datatype: "Max35Text" on page 2163

45.1.6.2.20 IssueDate <IsseDt>

Presence: [0..1]

Definition: Date of card was issued to cardholder.

Datatype: "ISOYearMonth" on page 2169

45.1.6.2.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.2.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.3 ProgrammeMode7

Definition: Proposed or applied programme, network, or brand processes the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

45.1.6.3.1 ProposedIdentification <PropsdId>

Presence: [0..*]

Definition: Identification of Programme, network, or brand proposed for the transaction

Datatype: "Max35Text" on page 2163

45.1.6.3.2 AppliedIdentification <ApIdId>

Presence: [0..1]

Definition: Identification of Programme, network, or brand actually applied to the transaction

Datatype: "Max35Text" on page 2163

45.1.6.3.3 IdentificationSelectedBy <IdSelctdBy>

Presence: [0..1]

Definition: Identification of the programme, network, or brand.

Datatype: "PartyType20Code" on page 2134

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
CRDH	Cardholder	Holder of a payment card.
CISS	Cardissuer	Party that issues cards.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

45.1.6.3.4 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.3.5 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.4 CardData16

Definition: Non-protected sensitive data associated with the card or payment token performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1440
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1440
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1441
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1441
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1441
	ServiceCode <SvcCd>	[0..1]	Text		1441
	Track1 <Trck1>	[0..1]	Text		1441
	Track2 <Trck2>	[0..1]			1441
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442
	Track3 <Trck3>	[0..1]	Text		1442
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1442
	PANAccountRange <PANAcctRg>	[0..1]	Text		1442
	Country <Ctry>	[0..1]	CodeSet		1442
	ProductType <PdctTp>	[0..1]	Text		1443
	ProductSubType <PdctSubTp>	[0..1]	Text		1443
	PortfolioIdentifier <Prtlfldr>	[0..1]	Text		1443
	Brand <Brnd>	[0..1]	Text		1443
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1443
	Segment <Sgmt>	[0..1]	Text		1443
	Scheme <Schme>	[0..1]	Text		1443
	IssueDate <IsseDt>	[0..1]	YearMonth		1443
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1444

45.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card or a surrogate of the PAN such as a payment token.

Datatype: "Max19NumericText" on page 2160

45.1.6.4.2 ProtectedPAN <PrctcdPAN>

Presence: [0..1]

Definition: To indicate whether the PAN is using ProtectedData for encryption or not.

False: The PAN is used in plain text

True: The PAN is encrypted by using ProtectedData

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.6.4.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

Datatype: ["Min2Max3NumericText"](#) on page 2168

45.1.6.4.4 EffectiveDate <FctvDt>

Presence: [0..1]

Definition: Date as from which the card can be used, expressed in one of the following formats: YYYY-MM-DD, YYYY-MM, YY-MM-DD.

Datatype: ["ISOYearMonth"](#) on page 2169

45.1.6.4.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or payment token.

Datatype: ["ISOYearMonth"](#) on page 2169

45.1.6.4.6 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Service attached to the card as defined in ISO 7813.

Datatype: ["Exact3NumericText"](#) on page 2156

45.1.6.4.7 Track1 <Trck1>

Presence: [0..1]

Definition: ISO track 1 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format conforms to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: ["Max76Text"](#) on page 2167

45.1.6.4.8 Track2 <Trck2>

Presence: [0..1]

Definition: ISO track 2 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The format conforms to ISO 7813, removing beginning and ending sentinels and longitudinal redundancy check characters.

Track2 <Trck2> contains one of the following **Track2Data1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	TextValue <TxtVal>	[1..1]	Text		1442
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1442

45.1.6.4.8.1 TextValue <TxtVal>

Presence: [1..1]

Definition: Value of track 2 data expressed in text form.

Datatype: "Max37Text" on page 2163

45.1.6.4.8.2 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Value of track 2 data expressed in a hex binary form.

Binary, length of 19 with maximum 37 hexadecimal text characters.

When an odd number of hexadecimal text characters is present, a zero must be appended to the end of the string to pad to an even number of hexadecimal text characters.

Datatype: "Max19HexBinaryText" on page 2160

45.1.6.4.9 Track3 <Trck3>

Presence: [0..1]

Definition: ISO track 3 issued from the magnetic stripe card or from the ICC if the magnetic stripe was not read. The content conforms to ISO 4909, removing beginning and ending sentinels and longitudinal redundancy check characters.

Datatype: "Max104Text" on page 2157

45.1.6.4.10 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: Unique non-financial reference assigned to a given PAN. May be used to link the transaction activity to that PAN.

Datatype: "Max35Text" on page 2163

45.1.6.4.11 PANAccountRange <PANAcctRg>

Presence: [0..1]

Definition: Leading digits of the PAN that identifies the card portfolio (for example, Issuer Identification Number). This data should not to be presented to the card acceptor or its environment. (for example, acquirer should not to send or make available to merchant).

Datatype: "Max19NumericText" on page 2160

45.1.6.4.12 Country <Ctry>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.6.4.13 ProductType <PdctTp>

Presence: [0..1]

Definition: Type or code of card product.

Datatype: "Max35Text" on page 2163

45.1.6.4.14 ProductSubType <PdctSubTp>

Presence: [0..1]

Definition: Sub type or code of card product.

Datatype: "Max35Text" on page 2163

45.1.6.4.15 PortfolioIdentifier <Prtflldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 2163

45.1.6.4.16 Brand <Brnd>

Presence: [0..1]

Definition: Brand of the card or transaction.

Datatype: "Max35Text" on page 2163

45.1.6.4.17 AccountFundingSource <AcctFndgSrc>

Presence: [0..1]

Definition: Account funding source applied to the transaction.

Datatype: "Max10Text" on page 2158

45.1.6.4.18 Segment <Sgmt>

Presence: [0..1]

Definition: Classification or type of the card user, such as commercial, consumer.

Datatype: "Max10Text" on page 2158

45.1.6.4.19 Scheme <Schme>

Presence: [0..1]

Definition: Switch that processed the transaction.

Datatype: "Max35Text" on page 2163

45.1.6.4.20 IssueDate <IsseDt>

Presence: [0..1]

Definition: Date of card was issued to cardholder.

Datatype: "ISOYearMonth" on page 2169

45.1.6.4.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.4.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.5 ProgrammeMode6

Definition: Applied programme, network, or brand processes the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1444
	AppliedIdentification <AppldId>	[1..1]	Text		1444
	PrivateData <PrvtData>	[0..*]	(External Schema)		1444
	NationalData <NtlData>	[0..*]	(External Schema)		1445

45.1.6.5.1 ProposedIdentification <PropsdId>

Presence: [0..*]

Definition: Identification of Programme, network, or brand proposed for the transaction

Datatype: "Max35Text" on page 2163

45.1.6.5.2 AppliedIdentification <AppldId>

Presence: [1..1]

Definition: Identification of the programme, network, or brand applied to the transaction.

Datatype: "Max35Text" on page 2163

45.1.6.5.3 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.6.5.4 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7 Card Transaction

45.1.7.1 LoyaltyProgramme4

Definition: Loyalty programme information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <PtcptId>	[0..1]	Text		1445

45.1.7.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of loyalty programme (for example, airline, lodging, vehicle and rail etc.).

Datatype: "Max35Text" on page 2163

45.1.7.1.2 Identification <Id>

Presence: [0..1]

Definition: Loyalty programme identification value.

Datatype: "Max70Text" on page 2167

45.1.7.1.3 ParticipantIdentification <PtcptId>

Presence: [0..1]

Definition: Loyalty programme participant identification value.

Datatype: "Max70Text" on page 2167

45.1.7.2 DepartureOrArrival2

Definition: Contains departure or arrival information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CarrierCode <CrrierCd>	[0..1]	Text		1446
	RouteNumber <RouteNb>	[0..1]	Text		1446
	Date <Dt>	[0..1]	Date		1446
	Time <Tm>	[0..1]	Time		1446

45.1.7.2.1 CarrierCode <CrrierCd>

Presence: [0..1]

Definition: Code indicating the name of the passenger transport carrier (for example, United Airlines, Lufthansa, JetBlue, etc.)

Datatype: "Max35Text" on page 2163

45.1.7.2.2 RouteNumber <RouteNb>

Presence: [0..1]

Definition: Route number (for example, flight number, bus number, train route or number, etc.)

Datatype: "Max35NumericText" on page 2163

45.1.7.2.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 2151

45.1.7.2.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 2169

45.1.7.3 DepartureOrArrival1

Definition: Contains departure or arrival information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1447
	Description <Desc>	[0..1]	Text		1447
	Date <Dt>	[0..1]	Date		1447
	Time <Tm>	[0..1]	Time		1447

45.1.7.3.1 Location <Lctn>

Presence: [0..1]

Definition: Departure or arrival location (for example, city, airport code, station id, etc).

Datatype: "Max70Text" on page 2167

45.1.7.3.2 Description <Desc>

Presence: [0..1]

Definition: Specific explanation of the location or directions.

Datatype: "Max256Text" on page 2162

45.1.7.3.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 2151

45.1.7.3.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 2169

45.1.7.4 InvoiceLineItem4

Definition: Item purchased with the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1449
	OrderDate <OrdDt>	[0..1]	Date		1449
	ContractNumber <CtrctNb>	[0..1]	Text		1449
	ShippingDate <ShppgDt>	[0..1]	Date		1449
	Rebilling <Rblg>	[0..1]	Indicator		1449
	MedicalServices <MdclSvcs>	[0..1]	Indicator		1449
	ShipToIndustryCode <ShipToIndstryCd>	[0..1]	Text		1450
	ProductCode <PdctCd>	[0..1]	Text		1450
	ProductQualifier <PdctQlfr>	[0..1]	Text		1450
	Description <Desc>	[0..1]	Text		1450
	TypeOfSupply <TpOfSppl>	[0..1]	Text		1450
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1450
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1452
	UnitPrice <UnitPric>	[0..1]	Amount		1452
	ProductQuantity <PdctQty>	[0..1]	Quantity		1452
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		1452
	AdjustmentCreditDebit <AdjstmntCdtDbt>	[0..1]	CodeSet		1452
	AdjustmentReason <AdjstmntRsn>	[0..1]	Text		1453
	Insurance <Insrnc>	[0..1]	Indicator		1453
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1453
	Tax <Tax>	[0..*]			1453
	Type <Tp>	[1..1]	CodeSet		1453
	Description <Desc>	[0..1]	Text		1459
	Exemption <Xmptn>	[0..1]	Indicator		1459
	ExemptReason <XmptRsn>	[0..1]	Text		1459
	Amount <Amt>	[1..1]	Amount		1459
	Rate <Rate>	[0..1]	Rate		1459
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1460
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1460
	VATInvoiceReference <VATInvcRef>	[0..1]	Text		1460
	TotalAmount <TtlAmt>	[0..1]	Amount		1460

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1460
	ZeroCostToCustomer <ZeroCostToCstmr>	[0..1]	Indicator		1460
	PrivateData <PrvtData>	[0..*]	(External Schema)		1461
	NationalData <NtlData>	[0..*]	(External Schema)		1461

45.1.7.4.1 Date <Dt>

Presence: [0..1]

Definition: Invoice date.

Datatype: "ISODate" on page 2151

45.1.7.4.2 OrderDate <OrdrDt>

Presence: [0..1]

Definition: Invoice order date.

Datatype: "ISODate" on page 2151

45.1.7.4.3 ContractNumber <CtrctNb>

Presence: [0..1]

Definition: Contains the corporate contract number.

Datatype: "Max70Text" on page 2167

45.1.7.4.4 ShippingDate <ShppgDt>

Presence: [0..1]

Definition: Shipping date of the product or the date services rendered.

Datatype: "ISODate" on page 2151

45.1.7.4.5 Rebilling <Rbllg>

Presence: [0..1]

Definition: Rebilling indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.6 MedicalServices <MdcISvcs>

Presence: [0..1]

Definition: Indicates whether or not the invoice line item represents a medical service.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.7 ShipToIndustryCode <ShipToIndstryCd>

Presence: [0..1]

Definition: Contains the health industry number to which the medical services are being shipped (for example, Medical Services ship to Health Industry Number).

Datatype: "Max50Text" on page 2166

45.1.7.4.8 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 2167

45.1.7.4.9 ProductQualifier <PdctQlfr>

Presence: [0..1]

Definition: Contains a code that identifies the product number qualifier of the product (for example, medical services).

Datatype: "Max35Text" on page 2163

45.1.7.4.10 Description <Desc>

Presence: [0..1]

Definition: May contain further clarifying data, such as event name, etc.

Datatype: "Max256Text" on page 2162

45.1.7.4.11 TypeOfSupply <TpOfSppl>

Presence: [0..1]

Definition: Indicates whether the purchase is categorized

as goods or services.

Datatype: "Max10Text" on page 2158

45.1.7.4.12 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 2149

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).

CodeName	Name	Definition
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.

CodeName	Name	Definition
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

45.1.7.4.13 OtherUnitOfMeasure <OthrUnitOfMeasr>

Presence: [0..1]

Definition: Other unit of measure.

Datatype: "Max35Text" on page 2163

45.1.7.4.14 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Contains the price for one unit of the product or service.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.4.15 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 2152

45.1.7.4.16 AdjustmentAmount <AdjstmntAmt>

Presence: [0..1]

Definition: Contains the adjusted amount (for example, discounts).

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.4.17 AdjustmentCreditDebit <AdjstmntCdtDbt>

Presence: [0..1]

Definition: A code to indicate the adjustment amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.

CodeName	Name	Definition
DBIT	Debit	Operation is a decrease.

45.1.7.4.18 AdjustmentReason <AdjstmntRsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.4.19 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.20 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.4.21 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1453
	Description <Desc>	[0..1]	Text		1459
	Exemption <Xmptn>	[0..1]	Indicator		1459
	ExemptReason <XmptRsn>	[0..1]	Text		1459
	Amount <Amt>	[1..1]	Amount		1459
	Rate <Rate>	[0..1]	Rate		1459
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1460
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1460

45.1.7.4.21.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency

CodeName	Name	Definition
		assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.

CodeName	Name	Definition
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax

CodeName	Name	Definition
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax

CodeName	Name	Definition
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which

CodeName	Name	Definition
		relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.4.21.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.4.21.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.21.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.4.21.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.4.21.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.4.21.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.21.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.4.22 VATInvoiceReference <VATInvRef>

Presence: [0..1]

Definition: Identifies the value-added tax (VAT) invoice or tax receipt.

Datatype: "Max35Text" on page 2163

45.1.7.4.23 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount of line item, inclusive of any applicable adjustments and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.4.24 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.4.25 ZeroCostToCustomer <ZeroCostToCstmr>

Presence: [0..1]

Definition: Indicates whether or not the line item carries a cost.

True : Line item does not have any cost associated to the customer.

False : Line item has cost associated to the customer.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.4.26 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.4.27 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.5 TemporaryServiceChargeRate1

Definition: Contains amount details for a specific type of charge in the temporary service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1461
	Rate <Rate>	[0..1]	Amount		1462
	Hours <Hrs>	[0..1]	Text		1462

45.1.7.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of hours worked. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["TemporaryServicesCharge2Code"](#) on page 2143

CodeName	Name	Definition
WKND	Weekend	Weekend
REGL	Regular	Regular
OVRT	Overtime	Overtime
ONCL	OnCall	On call
NITE	Night	Night
HOLI	Holiday	Holiday
HAZD	Hazard	Hazard

45.1.7.5.2 Rate <Rate>

Presence: [0..1]

Definition: Contains the rate per hour.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.5.3 Hours <Hrs>

Presence: [0..1]

Definition: Contains the number of hours worked.

Datatype: "Max6NumericText" on page 2167

45.1.7.6 ShippingData4

Definition: Shipping or Courier Service delivery.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvNb>	[0..1]	Text		1463
	InvoiceCreationDateTime <InvCreDtTm>	[0..1]	DateTime		1463
	ServiceDescriptorCode <SvcDscrptrCd>	[0..1]	Text		1464
	IncentiveAmount <IncntivAmt>	[0..1]	Amount		1464
	MiscellaneousExpenses <MiscExpnss>	[0..1]	Amount		1464
	Insurance <Insrnc>	[0..1]	Indicator		1464
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1464
	NetAmount <NetAmt>	[0..1]	Amount		1464
	Tax <Tax>	[0..*]			1464
	Type <Tp>	[1..1]	CodeSet		1465
	Description <Desc>	[0..1]	Text		1470
	Exemption <Xmptn>	[0..1]	Indicator		1470
	ExemptReason <XmptRsn>	[0..1]	Text		1471
	Amount <Amt>	[1..1]	Amount		1471
	Rate <Rate>	[0..1]	Rate		1471
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1471
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1471
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1471
	NumberOfPackages <NbOfPackgs>	[0..1]	Text		1472
	Package <Packg>	[0..*]	±		1472
	PrivateData <PrvtData>	[0..*]	(External Schema)		1474
	NationalData <NtlData>	[0..*]	(External Schema)		1474

45.1.7.6.1 InvoiceNumber <InvNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 2167

45.1.7.6.2 InvoiceCreationDateTime <InvCreDtTm>

Presence: [0..1]

Definition: Contains the date and time the electronic invoice was created.

Datatype: "ISODateTime" on page 2152

45.1.7.6.3 ServiceDescriptorCode <SvcDscrptrCd>

Presence: [0..1]

Definition: Contains a card acceptor designated code for the shipping service provided.

Datatype: "Max40Text" on page 2164

45.1.7.6.4 IncentiveAmount <IncntivAmt>

Presence: [0..1]

Definition: Contains the amount of any incentives applied to the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.6.5 MiscellaneousExpenses <MiscExpnss>

Presence: [0..1]

Definition: Contains the amount of any miscellaneous expenses applicable to the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.6.6 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.6.7 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Amount of insurance.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.6.8 NetAmount <NetAmt>

Presence: [0..1]

Definition: Contains the net amount of shipping expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.6.9 Tax <Tax>

Presence: [0..*]

Definition: Contains the total tax amount for the entire purchase.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1465
	Description <Desc>	[0..1]	Text		1470
	Exemption <Xmptn>	[0..1]	Indicator		1470
	ExemptReason <XmptRsn>	[0..1]	Text		1471
	Amount <Amt>	[1..1]	Amount		1471
	Rate <Rate>	[0..1]	Rate		1471
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1471
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1471

45.1.7.6.9.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.6.9.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.6.9.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.6.9.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.6.9.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.6.9.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.6.9.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.6.9.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.6.10 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.6.11 NumberOfPackages <NbOfPackgs>

Presence: [0..1]

Definition: Contains the total number of packages being shipped or sent by the service provider.

Datatype: "Max6NumericText" on page 2167

45.1.7.6.12 Package <Packg>

Presence: [0..*]

Definition: Contains the details of the package being shipped.

Package <Packg> contains the following elements (see "[ShippingPackage4](#)" on page 1826 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackingNumber <TrckgNb>	[0..1]	Text		1828
	SupplierName <SpplrNm>	[0..1]	Text		1828
	SupplierIdentification <SpplrId>	[0..1]	Text		1828
	SupplierBusinessName <SpplrBizNm>	[0..1]	Text		1828
	SupplierLegalCorporateName <SpplrLglCorpNm>	[0..1]	Text		1828
	SupplierAddress <SpplrAdr>	[0..1]	±		1828
	SupplierLocalData <SpplrLclData>	[0..*]	±		1829
	SupplierContact <SpplrCtct>	[0..1]	±		1829
	SupplierInstructions <SpplrInstrs>	[0..1]	Text		1830
	PickupDate <PckpDt>	[0..1]	Date		1830
	PickupTime <PckpTm>	[0..1]	Time		1830
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1830
	DeliveryAddress <DlvryAdr>	[0..1]	±		1830
	DeliveryContact <DlvryCtct>	[0..1]			1831
	Name <Nm>	[0..1]	Text		1832
	GivenName <GvnNm>	[0..1]	Text		1832
	MiddleName <MddlNm>	[0..1]	Text		1832
	LastName <LastNm>	[0..1]	Text		1832
	HomePhone <HomePhne>	[0..1]	Text		1833
	BusinessPhone <BizPhne>	[0..1]	Text		1833
	MobilePhone <MobPhne>	[0..1]	Text		1833
	OtherPhone <OthrPhne>	[0..1]	Text		1833
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1833
	BusinessEmail <BizEmail>	[0..1]	Text		1833
	OtherEmail <OthrEmail>	[0..1]	Text		1833
	HomeFax <HomeFax>	[0..1]	Text		1833
	BusinessFax <BizFax>	[0..1]	Text		1833
	URL <URL>	[0..1]	Text		1834
	Language <Lang>	[0..1]	CodeSet		1834
	DeliveryInstructions <DlvryInstrs>	[0..1]	Text		1834
	DeliveryDate <DlvryDt>	[0..1]	Date		1834

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryTime <DlvryTm>	[0..1]	Time		1834
	WeightUnit <WghtUnit>	[0..1]	CodeSet		1834
	OtherWeightUnit <OthrWghtUnit>	[0..1]	Text		1836
	NumberOfUnits <NbOfUnits>	[0..1]	Quantity		1836
	Product <Pdct>	[0..*]			1836
	Code <Cd>	[0..1]	Text		1836
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1836
	Insurance <Insrnc>	[0..1]	Indicator		1837
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1837

45.1.7.6.13 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.6.14 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.7 SaleItem5

Definition: Item purchased with the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductType <PdctTp>	[0..1]	Text		1476
	ProductCode <PdctCd>	[0..1]	Text		1476
	ProductCodeType <PdctCdTp>	[0..1]	CodeSet		1476
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1477
	AdditionalProductCodeType <AddtlPdctCdTp>	[0..1]	Text		1477
	ProductCodeModifier <PdctCdModfr>	[0..1]	Quantity		1477
	ProductDescription <PdctDesc>	[0..1]	Text		1477
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1477
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1479
	ProductQuantity <PdctQty>	[0..1]	Quantity		1479
	NonAdjustedUnitPrice <NonAdjstdUnitPric>	[0..1]	Amount		1479
	NonAdjustedTotalAmount <NonAdjstdTtlAmt>	[0..1]	Amount		1479
	Adjustment <Adjstmnt>	[0..*]			1479
	Type <Tp>	[0..1]	Text		1480
	AdditionalType <AddtlTp>	[0..1]	Text		1480
	Description <Desc>	[0..1]	Text		1480
	Reason <Rsn>	[0..1]	Text		1480
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		1480
	PromotionCode <PrmtnCd>	[0..1]	Text		1481
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		1481
	Quantity <Qty>	[0..1]	Quantity		1481
	UnitPrice <UnitPric>	[0..1]	Amount		1481
	Percentage <Pctg>	[0..1]	Rate		1481
	Amount <Amt>	[0..1]	Amount		1481
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1481
	AdjustedAmount <AdjstdAmt>	[0..1]	Amount		1482
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1482
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1482
	Tax <Tax>	[0..*]			1482
	Type <Tp>	[1..1]	CodeSet		1482
	Description <Desc>	[0..1]	Text		1488

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Exemption <Xmptn>	[0..1]	Indicator		1488
	ExemptReason <XmptRsn>	[0..1]	Text		1488
	Amount <Amt>	[1..1]	Amount		1488
	Rate <Rate>	[0..1]	Rate		1488
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1489
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1489
	TotalAmount <TtlAmt>	[0..1]	Amount		1489

45.1.7.7.1 ProductType <PdctTp>

Presence: [0..1]

Definition: Contains the product type of the sale line item.

Datatype: "Max35Text" on page 2163

45.1.7.7.2 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 2167

45.1.7.7.3 ProductCodeType <PdctCdTp>

Presence: [0..1]

Definition: Contains a list of codes used to identify a product.

Datatype: "ProductCodeType1Code" on page 2136

CodeName	Name	Definition
EA13	EuropeanArticleNumber13	European Article Number of type-13 also known as International Article Number
EAN8	EuropeanArticleNumber8	European Article Number of type-8 also known as International Article Number
GTIN	GlobalTradeItemNumber	Global Trade Item Number (GTIN) is an identifier for trade items.
OTHR	Other	Other type of product code classification.
PLUP	PriceLookUpCodes	Price look-up codes, commonly called PLU codes, PLU numbers, PLUs, produce codes, or produce labels, are identification numbers affixed to produce in grocery stores and supermarkets
RS14	ReduceSpaceSymbology14	RSS 14 barcode (Reduce Space Symbology) encodes the full EAN item identification in a symbol that can be omnidirectionally scanned by suitably configured point-of-sale laser scanners.
UPCA	UniformProductCodeA	Uniform Product Code - A-type

CodeName	Name	Definition
UPCE	UniformProductCodeE	Uniform Product Code E-Type

45.1.7.7.4 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional code related to the product.

Datatype: "Max70Text" on page 2167

45.1.7.7.5 AdditionalProductCodeType <AddtlPdctCdTp>

Presence: [0..1]

Definition: Additional type of codification used to identify a product.

Datatype: "Max35Text" on page 2163

45.1.7.7.6 ProductCodeModifier <PdctCdModfr>

Presence: [0..1]

Definition: Code discriminator between a product code and its format to uniquely identify a specific product (for example, Item or pack of same items).

Datatype: "DecimalNumber" on page 2152

45.1.7.7.7 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 2159

45.1.7.7.8 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 2149

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.

CodeName	Name	Definition
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.

CodeName	Name	Definition
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

45.1.7.7.9 OtherUnitOfMeasure <OthrUnitOfMeasr>

Presence: [0..1]

Definition: Other unit of measure.

Datatype: "Max35Text" on page 2163

45.1.7.7.10 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 2152

45.1.7.7.11 NonAdjustedUnitPrice <NonAdjstdUnitPric>

Presence: [0..1]

Definition: Original, non-adjusted cost of one unit of the product or service before discounts and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.7.12 NonAdjustedTotalAmount <NonAdjstdTtlAmt>

Presence: [0..1]

Definition: Original, non-adjusted total cost of a product or service before discounts and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.7.13 Adjustment <Adjstmnt>

Presence: [0..*]

Definition: Adjustment made to the original price.

Adjustment <Adjstmnt> contains the following **Adjustment14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1480
	AdditionalType <AddtlTp>	[0..1]	Text		1480
	Description <Desc>	[0..1]	Text		1480
	Reason <Rsn>	[0..1]	Text		1480
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		1480
	PromotionCode <PrmtnCd>	[0..1]	Text		1481
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		1481
	Quantity <Qty>	[0..1]	Quantity		1481
	UnitPrice <UnitPric>	[0..1]	Amount		1481
	Percentage <Pctg>	[0..1]	Rate		1481
	Amount <Amt>	[0..1]	Amount		1481
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1481

45.1.7.7.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.7.13.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.7.13.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 2167

45.1.7.7.13.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.7.13.5 PromotionEligibility <PrmtnElgblty>

Presence: [0..1]

Definition: Identifies when the item is eligible or prohibited from a discount or adjustment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.7.13.6 PromotionCode <PrmtnCd>

Presence: [0..1]

Definition: Promotion or adjustment code.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.7.13.7 PromotionCouponNumber <PrmtnCpnNb>

Presence: [0..1]

Definition: May contain coupon number, discount code, etc.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.7.13.8 Quantity <Qty>

Presence: [0..1]

Definition: Identifies the quantity of the item that is adjusted (can be less than the total quantity of the item being purchased).

Datatype: ["DecimalNumber"](#) on page 2152

45.1.7.7.13.9 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Contains the adjusted unit price (does not include tax).

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.7.13.10 Percentage <Pctg>

Presence: [0..1]

Definition: Contains the percentage value of the discount (when applicable).

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.7.13.11 Amount <Amt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.7.13.12 TaxOnOriginalAmount <TaxOnOrgnlAmt>

Presence: [0..1]

Definition: Indicates whether or not tax was calculated on the original amount of the transaction.

Note that false (or not present) indicates applicable taxes are based on adjusted amount.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.7.14 AdjustedAmount <AdjstdAmt>

Presence: [0..1]

Definition: Total cost of the line item amount, inclusive adjustments and exclusive of taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.7.15 InsuranceIndicator <InsrncInd>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.7.16 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.7.17 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1482
	Description <Desc>	[0..1]	Text		1488
	Exemption <Xmptn>	[0..1]	Indicator		1488
	ExemptReason <XmptRsn>	[0..1]	Text		1488
	Amount <Amt>	[1..1]	Amount		1488
	Rate <Rate>	[0..1]	Rate		1488
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1489
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1489

45.1.7.7.17.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).

CodeName	Name	Definition
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullIVAT	Value Added Tax calculated at the full tax rate.

CodeName	Name	Definition
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined

CodeName	Name	Definition
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privalage of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.

CodeName	Name	Definition
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the

CodeName	Name	Definition
		account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.7.17.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.7.17.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.7.17.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.7.17.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.7.17.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.7.17.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.7.17.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.7.18 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total cost of the line item, inclusive of all applicable adjustments and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.8 Sale4

Definition: Details of good and services included in the sale.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1490
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		1490
	Adjustment <Adjstmnt>	[0..*]			1490
	Type <Tp>	[0..1]	Text		1490
	AdditionalType <AddtlTp>	[0..1]	Text		1491
	Description <Desc>	[0..1]	Text		1491
	Reason <Rsn>	[0..1]	Text		1491
	PromotionCode <Prmtncd>	[0..1]	Text		1491
	Percentage <Pctg>	[0..1]	Rate		1491
	Amount <Amt>	[0..1]	Amount		1491
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1491
	LineItem <Lineitm>	[0..*]	±		1491

45.1.7.8.1 SummaryCommodityIdentification <SummryCmmdtyld>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.8.2 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Contains loyalty programme information.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "LoyaltyProgramme4" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1445

45.1.7.8.3 Adjustment <Adjstmnt>

Presence: [0..*]

Definition: Contains adjustment details of the transaction (for example, percentage, adjustment amount, etc.).

Adjustment <Adjstmnt> contains the following **Adjustment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1490
	AdditionalType <AddtlTp>	[0..1]	Text		1491
	Description <Desc>	[0..1]	Text		1491
	Reason <Rsn>	[0..1]	Text		1491
	PromotionCode <PrmtnCd>	[0..1]	Text		1491
	Percentage <Pctg>	[0..1]	Rate		1491
	Amount <Amt>	[0..1]	Amount		1491
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1491

45.1.7.8.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.8.3.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.8.3.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 2167

45.1.7.8.3.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 2163

45.1.7.8.3.5 PromotionCode <PrmtnCd>

Presence: [0..1]

Definition: Promotion or adjustment code.

Datatype: "Max35Text" on page 2163

45.1.7.8.3.6 Percentage <Pctg>

Presence: [0..1]

Definition: Contains the percentage value of the discount (when applicable).

Datatype: "PercentageRate" on page 2154

45.1.7.8.3.7 Amount <Amt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.8.3.8 TaxOnOriginalAmount <TaxOnOrgnlAmt>

Presence: [0..1]

Definition: Indicates whether or not tax was calculated on the original amount of the transaction.

Note that false (or not present) indicates applicable taxes are based on adjusted amount.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.8.4 LineItem <Lineitm>

Presence: [0..*]

Definition: Sale line item information.

LineItem <Lineitm> contains the following elements (see "SaleItem5" on page 1474 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductType <PdctTp>	[0..1]	Text		1476
	ProductCode <PdctCd>	[0..1]	Text		1476
	ProductCodeType <PdctCdTp>	[0..1]	CodeSet		1476
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		1477
	AdditionalProductCodeType <AddtlPdctCdTp>	[0..1]	Text		1477
	ProductCodeModifier <PdctCdModfr>	[0..1]	Quantity		1477
	ProductDescription <PdctDesc>	[0..1]	Text		1477
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1477
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1479
	ProductQuantity <PdctQty>	[0..1]	Quantity		1479
	NonAdjustedUnitPrice <NonAdjstdUnitPric>	[0..1]	Amount		1479
	NonAdjustedTotalAmount <NonAdjstdTtlAmt>	[0..1]	Amount		1479
	Adjustment <Adjstmnt>	[0..*]			1479
	Type <Tp>	[0..1]	Text		1480
	AdditionalType <AddtlTp>	[0..1]	Text		1480
	Description <Desc>	[0..1]	Text		1480
	Reason <Rsn>	[0..1]	Text		1480
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		1480
	PromotionCode <PrmtnCd>	[0..1]	Text		1481
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		1481
	Quantity <Qty>	[0..1]	Quantity		1481
	UnitPrice <UnitPric>	[0..1]	Amount		1481
	Percentage <Pctg>	[0..1]	Rate		1481
	Amount <Amt>	[0..1]	Amount		1481
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1481
	AdjustedAmount <AdjstdAmt>	[0..1]	Amount		1482
	InsuranceIndicator <Insrnclnd>	[0..1]	Indicator		1482
	InsuranceAmount <Insrnclnd>	[0..1]	Amount		1482
	Tax <Tax>	[0..*]			1482
	Type <Tp>	[1..1]	CodeSet		1482
	Description <Desc>	[0..1]	Text		1488

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Exemption <Xmptn>	[0..1]	Indicator		1488
	ExemptReason <XmptRsn>	[0..1]	Text		1488
	Amount <Amt>	[1..1]	Amount		1488
	Rate <Rate>	[0..1]	Rate		1488
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1489
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1489
	TotalAmount <TtlAmt>	[0..1]	Amount		1489

45.1.7.9 LodgingLineItem4

Definition: Lodging line item details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1495
	Time <Tm>	[0..1]	Time		1495
	Type <Tp>	[0..1]	CodeSet		1495
	OtherType <OthrTp>	[0..1]	Text		1496
	PostCheckOut <PstChckOut>	[0..1]	Indicator		1496
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1496
	UnitAmount <UnitAmt>	[0..1]	Amount		1496
	Duration <Drtn>	[0..1]	Text		1496
	SubTotalAmount <SubTtlAmt>	[0..1]	Amount		1496
	Tax <Tax>	[0..*]			1497
	Type <Tp>	[1..1]	CodeSet		1497
	Description <Desc>	[0..1]	Text		1502
	Exemption <Xmptn>	[0..1]	Indicator		1503
	ExemptReason <XmptRsn>	[0..1]	Text		1503
	Amount <Amt>	[1..1]	Amount		1503
	Rate <Rate>	[0..1]	Rate		1503
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1503
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1503
	PrivateData <PrvtData>	[0..*]	(External Schema)		1504
	NationalData <NtlData>	[0..*]	(External Schema)		1504

45.1.7.9.1 Date <Dt>

Presence: [0..1]

Definition: Date of the charge for the product or service associated with the line item.

Datatype: "ISODate" on page 2151

45.1.7.9.2 Time <Tm>

Presence: [0..1]

Definition: Time of the charge for the product or service associated with the line item.

Datatype: "ISOTime" on page 2169

45.1.7.9.3 Type <Tp>

Presence: [0..1]

Definition: Type of product or service associated with the line item.

Datatype: "LodgingService1Code" on page 2130

CodeName	Name	Definition
ACCO	Accommodation	Room accommodation
AUDI	AudioVisual	Audio visual lodging service.
BANQ	Banquet	Banquet lodging service.
BREK	Breakfast	Breakfast lodging service.
BUSS	BusinessCentre	Business centre lodging service.
CONC	Concierge	Concierge lodging service.
EARA	EarlyArrival	Early arrival lodging service.
EARD	EarlyDeparture	Early departure lodging service.
ENTR	Entertainment	Entertainment lodging service.
FCAA	FolioCashAdvance	Folio cash advance lodging service.
GAME	Games	Games lodging service.
GARA	Garage	Garage lodging service.
GIFT	GiftShop	Gift shop lodging service.
HEAL	Health	Health lodging service.
INTE	Internet	Internet lodging service.
LAUN	Laundry	Laundry lodging service.
LONG	LoungeBar	Lounge bar lodging service.
MINI	MiniBar	Mini bar lodging service.
NOSH	NoShow	No show lodging service.
OTHR	Other	Other type of service.
PARK	Parking	Parking lodging service.
PHON	Phone	Phone lodging service.
REST	Restaurant	Restaurant lodging service.

CodeName	Name	Definition
RMSE	RoomService	Room service.
SPAS	Spa	Spa lodging service.
THRD	ThirdParty	Third-party lodging service.
TRAN	Transportation	Transportation lodging service.
VODS	VideoOnDemand	Video on demand lodging service.

45.1.7.9.4 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of product or service associated with the line item.

Datatype: "Max35Text" on page 2163

45.1.7.9.5 PostCheckOut <PstChckOut>

Presence: [0..1]

Definition: Indicates whether or not the charge originated following the checkout.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.9.6 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.9.7 UnitAmount <UnitAmt>

Presence: [0..1]

Definition: Contains the cost for one unit of the product or service.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.9.8 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: "Max4NumericText" on page 2165

45.1.7.9.9 SubTotalAmount <SubTtlAmt>

Presence: [0..1]

Definition: Subtotal amount of line item. (e.g. total nightly rate, etc.)

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.9.10 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1497
	Description <Desc>	[0..1]	Text		1502
	Exemption <Xmptn>	[0..1]	Indicator		1503
	ExemptReason <XmptRsn>	[0..1]	Text		1503
	Amount <Amt>	[1..1]	Amount		1503
	Rate <Rate>	[0..1]	Rate		1503
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1503
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1503

45.1.7.9.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city

CodeName	Name	Definition
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax

CodeName	Name	Definition
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.

CodeName	Name	Definition
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax

CodeName	Name	Definition
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour

CodeName	Name	Definition
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.9.10.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.9.10.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.9.10.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.9.10.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.9.10.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.9.10.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.9.10.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.9.11 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.9.12 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.10 ReportData8

Definition: Specifies the attributes of a report and its content.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1504
	Identification <Id>	[0..1]	Text		1505
	Qualifier <Qlfr>	[0..1]	Text		1505
	Date <Dt>	[0..1]	Date		1505
	Time <Tm>	[0..1]	Time		1505
	Sequence <Seq>	[0..1]	Text		1505
	TotalOccurrences <TtlOcrncs>	[0..1]	Text		1505
	Frequency <Frqcy>	[0..1]	CodeSet		1505
	ContinuationIndicator <ConttnInd>	[0..1]	Indicator		1506
	Format <Frmt>	[0..1]	CodeSet		1506
	PrivateData <PrvtData>	[0..*]	(External Schema)		1507
	NationalData <NtlData>	[0..*]	(External Schema)		1507

45.1.7.10.1 Name <Nm>

Presence: [0..1]

Definition: Name of the report.

Datatype: "Max140Text" on page 2159

45.1.7.10.2 Identification <Id>

Presence: [0..1]

Definition: Report identification.

Datatype: "Max140Text" on page 2159

45.1.7.10.3 Qualifier <Qlfr>

Presence: [0..1]

Definition: Additional specific information to ID (Country, Service, etc.)

Datatype: "Max70Text" on page 2167

45.1.7.10.4 Date <Dt>

Presence: [0..1]

Definition: Date of the report.

Datatype: "ISODate" on page 2151

45.1.7.10.5 Time <Tm>

Presence: [0..1]

Definition: Time of the report.

Datatype: "ISOTime" on page 2169

45.1.7.10.6 Sequence <Seq>

Presence: [0..1]

Definition: Contains the specific instance of the report (e.g., sequence "2" of the report within a specific time frame).

Datatype: "Max5NumericText" on page 2166

45.1.7.10.7 TotalOccurrences <TtlOcrncs>

Presence: [0..1]

Definition: Contains the expected total number of occurrences of the report within a specific time frame.

Datatype: "Max5NumericText" on page 2166

45.1.7.10.8 Frequency <Frqcy>

Presence: [0..1]

Definition: Report frequency.

Datatype: "Frequency17Code" on page 2120

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.

CodeName	Name	Definition
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.
ADHO	Adhoc	Event takes place on request or as necessary.
SHFT	Shift	Event associated with a shift.
ODMD	OnDemand	Event takes place on demand.

45.1.7.10.9 ContinuationIndicator <ConttnInd>

Presence: [0..1]

Definition: Indicates that report is not complete.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.10.10 Format <Frmt>

Presence: [0..1]

Definition: Report format. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "OutputFormat7Code" on page 2134

CodeName	Name	Definition
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.
PLIN	PrintLine	A formatted print line.
JSON	JSON	Java Syntax Object Notation format.
XMLF	XML	eXtensible Markup Language format.
EDIF	EDIFACT	Electronic data interchange for administration, commerce and transport.
CSVF	CSV	Comma separated value format.

CodeName	Name	Definition
JPEG	JPEG	Joint Photographic Experts Group format.
PDFF	PDF	Portable Document Format.
PNGF	PNG	Portable Network Graphics format.
SVGF	SVG	Scalable vector graphic format.

45.1.7.10.11 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.10.12 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.11 LocalAmenity2

Definition: Contains additional information about the fuel location, such as hours of operation and Interstate Access/Exit Number, etc.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1507
	AvailableIndicator <AvlblInd>	[0..1]	Indicator		1508

45.1.7.11.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service available. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "LocationAmenity2Code" on page 2129

CodeName	Name	Definition
AADA	AccessAndDirectionsAvailable	Interstate Access and Exit Number information with directions Available
AFLA	AlternativeFuelLocationsAvailable	Alternative fuel locations available
AVLA	AviationLocationsAvailable	Aviation locations available
CRWA	CarWashAvailable	Car wash available
CVSA	ConvenienceStoreAvailable	Convenience Store Available
DISA	DieselSitesAvailable	Diesel Sites Available
EWAA	EighteenWheelAccessAvailable	18-wheeler access availability
MRLA	MarinaLocationsAvailable	Marina locations available
PAPA	PayAtPumpAvailable	Pay-at-pump available
TSHA	TruckStopHotelAvailable	Truck Stop Hotel Available
TSRA	TruckStopRestaurantAvailable	Truck Stop Restaurant Available
TSSA	TruckStopWithShowersAvailable	Truck stop with showers available
TFHA	TwentyFourHourAvailability	24 hour availability
VSWA	VehicleScalesWeight	Vehicle scales and weigh services available
VHPA	VehicleParking	Vehicle parking available
VMRA	VehicleMaintenanceRepairBaysAvailable	Vehicle maintenance/repair bays available

45.1.7.11.2 AvailableIndicator <AvIblInd>

Presence: [0..1]

Definition: Indicates whether or not a specific type of amenity is available at this location.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12 TripLeg4

Definition: Supplies additional transaction information for travel transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceNumber <SeqNb>	[0..1]	Text		1510
	TicketNumber <TcktNb>	[0..1]	Text		1510
	TicketIssuer <Tcktlssr>	[0..1]	Text		1510
	TicketIssueDate <Tcktlssedt>	[0..1]	Date		1511
	TicketIssueLocation <Tcktlsselctn>	[0..1]	Text		1511
	ConjunctionTicketNumber <CnjctnTcktNb>	[0..1]	Text		1511
	RestrictedTicket <RstrctdTckt>	[0..1]	Indicator		1511
	OpenTicket <OpnTckt>	[0..1]	Indicator		1511
	TicketRestrictions <TcktRstrctns>	[0..1]	Text		1511
	ExchangedTicket <XchgdTckt>	[0..1]	Indicator		1512
	ExchangedTicketNumber <XchgdTcktNb>	[0..1]	Text		1512
	RecordLocatorNumber <RcrdLctrNb>	[0..1]	Text		1512
	ReservationSystem <RsvatnSys>	[0..1]	Text		1512
	ReservationNumber <RsvatnNb>	[0..1]	Text		1512
	OriginalReservationSystem <OrgnlRsvatnSys>	[0..1]	Text		1512
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1512
	Document <Doc>	[0..1]	(External Schema)		1513
	TransportType <TrnsprtTp>	[0..1]	CodeSet		1513
	CommodityCode <CmmdtyCd>	[0..1]	Text		1513
	CarrierName <CrrierNm>	[0..1]	Text		1513
	CarrierCode <CrrierCd>	[0..1]	Text		1513
	IATACode <IATACd>	[0..1]	Text		1514
	RouteNumber <RouteNb>	[0..1]	Text		1514
	ServiceClass <SvcClss>	[0..1]	Text		1514
	Departure <Dprtur>	[0..1]	±		1514
	Arrival <Arrvl>	[0..1]	±		1514
	Duration <Drtn>	[0..1]	Text		1515
	StopOver <StopOver>	[0..1]	Indicator		1515
	NonDirectRouteCode <NonDrctRouteCd>	[0..1]	Text		1515
	FairBasisCode <FairBsisCd>	[0..1]	Text		1515
	Insurance <Insrnc>	[0..1]	Indicator		1515

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..*]			1515
	Type <Tp>	[0..1]	CodeSet		1516
	Amount <Amt>	[1..1]	Amount		1517
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1517
	Tax <Tax>	[0..*]			1517
	Type <Tp>	[1..1]	CodeSet		1518
	Description <Desc>	[0..1]	Text		1523
	Exemption <Xmptn>	[0..1]	Indicator		1523
	ExemptReason <XmptRsn>	[0..1]	Text		1524
	Amount <Amt>	[1..1]	Amount		1524
	Rate <Rate>	[0..1]	Rate		1524
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1524
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1524
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1524
	ProcedureIdentification <PrcdrId>	[0..1]	Text		1525
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		1525
	PrivateData <PrvtData>	[0..*]	(External Schema)		1525
	NationalData <NtlData>	[0..*]	(External Schema)		1525

45.1.7.12.1 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identifies the specific occurrence of trip leg data.

Datatype: "Max35NumericText" on page 2163

45.1.7.12.2 TicketNumber <TcktNb>

Presence: [0..1]

Definition: Contains the ticket number.

Datatype: "Max35Text" on page 2163

45.1.7.12.3 TicketIssuer <Tcktlssr>

Presence: [0..1]

Definition: Name of the issuing ticket agent.

Datatype: "Max35Text" on page 2163

45.1.7.12.4 TicketIssueDate <TcktlIsseDt>

Presence: [0..1]

Definition: Date the ticket was issued.

Datatype: "ISODate" on page 2151

45.1.7.12.5 TicketIssueLocation <TcktlIsseLctn>

Presence: [0..1]

Definition: Location where ticket was issued.

Datatype: "Max140Text" on page 2159

45.1.7.12.6 ConjunctionTicketNumber <CnjnctnTcktNb>

Presence: [0..1]

Definition: Number of a ticket that contains additional coupons for an itinerary that contains more than four segments.

Datatype: "Max35Text" on page 2163

45.1.7.12.7 RestrictedTicket <RstrctdTckt>

Presence: [0..1]

Definition: Indicates whether or not restrictions apply to the ticket.

True = Restrictions apply

False = Restrictions do not apply

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.8 OpenTicket <OpnTckt>

Presence: [0..1]

Definition: Indicates whether or not the ticket is open-ended.

True = Ticket is open-ended

False = Ticket is not open-ended

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.9 TicketRestrictions <TcktRstrctns>

Presence: [0..1]

Definition: Contains the specific restriction applicable to the ticket.

Datatype: "Max70Text" on page 2167

45.1.7.12.10 ExchangedTicket <XchgdTckt>

Presence: [0..1]

Definition: Indicates whether or not the ticket was exchanged (reissued or new ticket generated).

True = Ticket was exchanged

False = Ticket was not exchanged

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.11 ExchangedTicketNumber <XchgdTcktNb>

Presence: [0..1]

Definition: Contains the original ticket number that was replaced by the new ticket number.

Datatype: "Max35Text" on page 2163

45.1.7.12.12 RecordLocatorNumber <RcrdLctrNb>

Presence: [0..1]

Definition: Ticket record locator number.

Datatype: "Max35Text" on page 2163

45.1.7.12.13 ReservationSystem <RsvatnSys>

Presence: [0..1]

Definition: Computerised reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 2165

45.1.7.12.14 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 2163

45.1.7.12.15 OriginalReservationSystem <OrgnlRsvatnSys>

Presence: [0..1]

Definition: System code that identifies the original reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 2165

45.1.7.12.16 OriginalReservationNumber <OrgnlRsvatnNb>

Presence: [0..1]

Definition: Value that identifies the original reservation generated during the original reservation and purchase of the ticket.

Datatype: "Max35Text" on page 2163

45.1.7.12.17 Document <Doc>

Presence: [0..1]

Definition: Provides the reference documentation.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be `·valid·` with respect to that definition, that is, `·validate·` if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.12.18 TransportType <TrnsprtTp>

Presence: [0..1]

Definition: Type of transportation. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TransportType2Code" on page 2145

CodeName	Name	Definition
AIRR	Air	Air
BUSS	Bus	Bus
RAIL	Rail	Rail
SHIP	Ship	Ship

45.1.7.12.19 CommodityCode <CmmdtyCd>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max4Text" on page 2165

45.1.7.12.20 CarrierName <CrrierNm>

Presence: [0..1]

Definition: Name of the transportation carrier.

Datatype: "Max70Text" on page 2167

45.1.7.12.21 CarrierCode <CrrierCd>

Presence: [0..1]

Definition: Identifies the operator (company providing service).

Datatype: "Max35Text" on page 2163

45.1.7.12.22 IATACode <IATACd>

Presence: [0..1]

Definition: Contains the International Air Transport Association (IATA) code identifying the company that purchased the ticket.

Datatype: "Max35Text" on page 2163

45.1.7.12.23 RouteNumber <RouteNb>

Presence: [0..1]

Definition: Route number as specified by the transportation carrier (for example, flight number, bus number, train route or number, etc.)

Datatype: "Max35Text" on page 2163

45.1.7.12.24 ServiceClass <SvcClss>

Presence: [0..1]

Definition: Indicates the service class (for example, coach or first class).

Datatype: "Max35Text" on page 2163

45.1.7.12.25 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure location, date and time.

Departure <Dprture> contains the following elements (see "[DepartureOrArrival1](#)" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1447
	Description <Desc>	[0..1]	Text		1447
	Date <Dt>	[0..1]	Date		1447
	Time <Tm>	[0..1]	Time		1447

45.1.7.12.26 Arrival <Arrvl>

Presence: [0..1]

Definition: Contains arrival location, date and time.

Arrival <Arrvl> contains the following elements (see "[DepartureOrArrival1](#)" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1447
	Description <Desc>	[0..1]	Text		1447
	Date <Dt>	[0..1]	Date		1447
	Time <Tm>	[0..1]	Time		1447

45.1.7.12.27 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: "Max4NumericText" on page 2165

45.1.7.12.28 StopOver <StopOver>

Presence: [0..1]

Definition: Indicator that specifies whether the mode of transportation was a direct or non-direct route on the same ticket number.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.29 NonDirectRouteCode <NonDrctRouteCd>

Presence: [0..1]

Definition: Indicates a non-direct route between the origin and the destination.

Datatype: "Max35Text" on page 2163

45.1.7.12.30 FairBasisCode <FairBsisCd>

Presence: [0..1]

Definition: Code that transportation companies assign to a particular ticket type, such as business class or discounted or non-refundable tickets.

Datatype: "Max35Text" on page 2163

45.1.7.12.31 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.32 Amount <Amt>

Presence: [0..*]

Definition: Contains trip leg amount information.

Amount <Amt> contains the following **AmountAndTax1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1516
	Amount <Amt>	[1..1]	Amount		1517
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1517
	Tax <Tax>	[0..*]			1517
	Type <Tp>	[1..1]	CodeSet		1518
	Description <Desc>	[0..1]	Text		1523
	Exemption <Xmptn>	[0..1]	Indicator		1523
	ExemptReason <XmptRsn>	[0..1]	Text		1524
	Amount <Amt>	[1..1]	Amount		1524
	Rate <Rate>	[0..1]	Rate		1524
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1524
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1524

45.1.7.12.32.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TypeOfAmount24Code" on page 2146

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
BAGG	Baggage	Baggage related fees
CARG	Cargo	Cargo Amount.
CHTC	ChargedToCard	Amount that has been charged to card account
CLUB	ClubFee	Amount for club fee.
DUTY	DutyFree	Duty free amount
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)
FARE	Fare	Amount of fare
FDBV	FoodBeverage	Amount of food and beverages
INSU	Insurance	Insurance charges

CodeName	Name	Definition
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
PETC	PetCarrier	Pet carrier.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges
TOUR	TourOrder	Tour order amount.
UPGD	Upgrade	Amount for an upgrade.
TKDL	TicketDelivery	Ticket delivery amount.
FEES	Fees	Fees.

45.1.7.12.32.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.12.32.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.12.32.4 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1518
	Description <Desc>	[0..1]	Text		1523
	Exemption <Xmptn>	[0..1]	Indicator		1523
	ExemptReason <XmptRsn>	[0..1]	Text		1524
	Amount <Amt>	[1..1]	Amount		1524
	Rate <Rate>	[0..1]	Rate		1524
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1524
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1524

45.1.7.12.32.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.12.32.4.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.12.32.4.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.32.4.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.12.32.4.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.12.32.4.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.12.32.4.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.12.32.4.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.12.33 CreditReasonCode <CdtRsnCd>

Presence: [0..1]

Definition: Indicates reason for the credit to the cardholder. Includes: ancillary purchase cancelled, passenger transport ticket and related ancillary purchase cancelled, etc.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.12.34 ProcedureIdentification <Prcdrid>

Presence: [0..1]

Definition: Contains identification of the rail server procedure or the order in which the service was booked or a cancellation was completed.

Datatype: "Max35Text" on page 2163

45.1.7.12.35 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "[LoyaltyProgramme4](#)" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1445

45.1.7.12.36 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.12.37 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.13 TransactionSpecificData1

Definition: Component contains data structures applicable to certain merchant verticals that require industry-specific data within transaction messages.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Sale <Sale>	[0..1]	±		1526
	Fleet <Fleet>	[0..1]	±		1526
	Invoice <Invc>	[0..1]	±		1527
	TravelAgency <TrvlAgcy>	[0..*]	±		1529
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		1530
	VehicleRental <VhclRntl>	[0..*]	±		1532
	Lodging <Ldgg>	[0..*]	±		1534
	ShippingData <ShppgData>	[0..1]	±		1536
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		1537
	TemporaryServices <TempSvcs>	[0..*]	±		1538
	PrivateData <PrvtData>	[0..*]	(External Schema)		1540
	NationalData <NtlData>	[0..*]	(External Schema)		1540

45.1.7.13.1 Sale <Sale>

Presence: [0..1]

Definition: Details of good and services included in the sale.

Sale <Sale> contains the following elements (see "[Sale4](#)" on page 1489 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1490
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		1490
	Adjustment <Adjstmnt>	[0..*]			1490
	Type <Tp>	[0..1]	Text		1490
	AdditionalType <AddtlTp>	[0..1]	Text		1491
	Description <Desc>	[0..1]	Text		1491
	Reason <Rsn>	[0..1]	Text		1491
	PromotionCode <PrmtnCd>	[0..1]	Text		1491
	Percentage <Pctg>	[0..1]	Rate		1491
	Amount <Amt>	[0..1]	Amount		1491
	TaxOnOriginalAmount <TaxOnOrgnlAmt>	[0..1]	Indicator		1491
	LineItem <Lineltm>	[0..*]	±		1491

45.1.7.13.2 Fleet <Fleet>

Presence: [0..1]

Definition: Fleet data pertaining to the payment transaction.

Fleet <Fleet> contains the following elements (see "FleetData7" on page 1837 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Driver <Drvr>	[0..1]	±		1838
	Vehicle <Vhcl>	[0..1]	±		1839
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]	±		1841
	CardFuelPromptCode <CardFuelPrmptCd>	[0..1]	Quantity		1841
	AgentFuelPromptCode <AgtFuelPrmptCd>	[0..1]	Text		1841
	TripNumber <TripNb>	[0..1]	Text		1841
	TripJobNumber <TripJobNb>	[0..1]	Text		1841
	TripWorkOrder <TripWorkOrdr>	[0..1]	Text		1842
	TripInvoiceNumber <TripInvcNb>	[0..1]	Text		1842
	TripBillingIdentification <TripBllgld>	[0..1]	Text		1842
	TripControlNumber <TripCtrlNb>	[0..1]	Text		1842
	TripDeliveryTicketNumber <TripDlvryTcktNb>	[0..1]	Text		1842
	LocalAmenity <LclAmnty>	[0..*]	±		1842
	TransactionRelatedData <TxRltdData>	[0..*]	±		1842
	AdditionalEnteredData <AddtlNtrdData>	[0..1]	±		1843
	DiscountMethod <DscntMtd>	[0..1]	Text		1843
	DiscountEntity <DscntNtty>	[0..1]	CodeSet		1844
	DiscountPlanIdentification <DscntPlanId>	[0..1]	Text		1844
	PurchaseRestrictionIndicator <PurchsRstrctnInd>	[0..1]	Text		1844
	LineItem <Lineitm>	[0..*]	±		1844

45.1.7.13.3 Invoice <Invc>

Presence: [0..1]

Definition: Invoice data pertaining to the payment transaction.

Invoice <Invc> contains the following elements (see "Invoice4" on page 1558 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Number <Nb>	[0..1]	Text		1560
	Date <Dt>	[0..1]	Date		1561
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1561
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1561
	SellerName <SellrNm>	[0..1]	Text		1561
	SellerIdentification <SellrId>	[0..1]	Text		1561
	SellerBusinessName <SellrBizNm>	[0..1]	Text		1561
	SellerLegalCorporateName <SellrLglCorpNm>	[0..1]	Text		1561
	SellerLocalData <SellrLclData>	[0..*]	±		1561
	SellerAddress <SellrAdr>	[0..1]	±		1562
	SellerContact <SellrCtct>	[0..1]			1562
	Name <Nm>	[0..1]	Text		1563
	GivenName <GvnNm>	[0..1]	Text		1563
	MiddleName <MddlNm>	[0..1]	Text		1563
	LastName <LastNm>	[0..1]	Text		1563
	Phone <Phne>	[0..1]	Text		1563
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1564
	TollFreePhone <TollFreePhne>	[0..1]	Text		1564
	Email <Email>	[0..1]	Text		1564
	Fax <Fax>	[0..1]	Text		1564
	URL <URL>	[0..1]	Text		1564
	Language <Lang>	[0..1]	CodeSet		1564
	SellerTaxRegistrationIdentification <SellrTaxRegnId>	[0..1]	Text		1564
	SellerAdditionalInformation <SellrAddtlInf>	[0..1]	Text		1564
	BuyerName <BuyrNm>	[0..1]	Text		1564
	BuyerIdentification <BuyrId>	[0..1]	Text		1565
	BuyerBusinessName <BuyrBizNm>	[0..1]	Text		1565
	BuyerLegalCorporateName <BuyrLglCorpNm>	[0..1]	Text		1565
	BuyerLocalData <BuyrLclData>	[0..*]	±		1565
	BuyerAddress <BuyrAdr>	[0..1]	±		1565
	BuyerContact <BuyrCtct>	[0..1]			1566

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1566
	GivenName <GvnNm>	[0..1]	Text		1567
	MiddleName <MddlNm>	[0..1]	Text		1567
	LastName <LastNm>	[0..1]	Text		1567
	Phone <Phne>	[0..1]	Text		1567
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1567
	TollFreePhone <TollFreePhne>	[0..1]	Text		1567
	Email <Email>	[0..1]	Text		1567
	Fax <Fax>	[0..1]	Text		1567
	URL <URL>	[0..1]	Text		1568
	Language <Lang>	[0..1]	CodeSet		1568
	BuyerTaxRegistrationIdentification <BuyrTaxRegnId>	[0..1]	Text		1568
	BuyerAdditionalInformation <BuyrAddtlInf>	[0..1]	Text		1568
	FreightAmount <FrghtAmt>	[0..1]	Amount		1568
	TaxTotal <TaxTtl>	[0..*]			1568
	Type <Tp>	[1..1]	CodeSet		1569
	Description <Desc>	[0..1]	Text		1574
	Exemption <Xmptn>	[0..1]	Indicator		1574
	ExemptReason <XmptRsn>	[0..1]	Text		1574
	Amount <Amt>	[1..1]	Amount		1574
	Rate <Rate>	[0..1]	Rate		1575
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1575
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1575
	TaxReclaimMethod <TaxRclmMtd>	[0..1]	CodeSet		1575
	PrivateData <PrvtData>	[0..*]	(External Schema)		1575
	NationalData <NtlData>	[0..*]	(External Schema)		1576
	LineItem <Lineltm>	[0..*]	±		1576

45.1.7.13.4 TravelAgency <TrvlAgcy>

Presence: [0..*]

Definition: Component supports corporate transactions for travel agency, airline, or railway transactions. Acquirers may submit multiple occurrences of this component. Each occurrence provides detailed travel agency fee data associated with a travel agency, airline, or railway transaction.

TravelAgency <TrvlAgcy> contains the following elements (see "TravelAgency5" on page 1746 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Code <Cd>	[0..1]	Text		1747
	Assigner <Assgnr>	[0..1]	Text		1747
	IATACode <IATACd>	[0..1]	Text		1747
	Name <Nm>	[0..1]	Text		1747
	ShortName <ShrtNm>	[0..1]	Text		1747
	Address <Adr>	[0..1]	±		1747
	Contact <Ctct>	[0..1]	±		1748
	TravelPackage <TrvlPackg>	[0..*]	±		1748
	PrivateData <PrvtData>	[0..*]	(External Schema)		1749
	NationalData <NtlData>	[0..*]	(External Schema)		1749

45.1.7.13.5 PassengerTransport <PssngrTrnsprt>

Presence: [0..1]

Definition: Component supports ticketing transactions for airline, railway, and travel agency transactions to provide passenger ticket information for the cardholder.

PassengerTransport <PssngrTrnsprt> contains the following elements (see "PassengerTransport4" on page 1665 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1667
	ReservationSystem <RsvatnSys>	[0..1]	Text		1667
	ReservationNumber <RsvatnNb>	[0..1]	Text		1667
	OriginalReservationSystem <OrgnlRsvatnSys>	[0..1]	Text		1667
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1667
	TravelAuthorisationCode <TrvlAuthstnCd>	[0..1]	Text		1667
	TicketIssuer <Tcktlssr>	[0..1]	Text		1667
	OpenTicket <OpnTckt>	[0..1]	Indicator		1668
	CustomerReference <CstmrRef>	[0..*]			1668
	Identification <Id>	[0..1]	Text		1668
	Detail <Dtl>	[0..1]	Text		1668
	Passenger <Pssngr>	[0..*]	±		1668
	Departure <Dprture>	[0..1]	±		1669
	Duration <Drtn>	[0..1]	Text		1669
	Insurance <Insrnc>	[0..1]	Indicator		1669
	TotalAmount <TtlAmt>	[0..*]			1670
	Type <Tp>	[0..1]	CodeSet		1670
	Amount <Amt>	[1..1]	Amount		1671
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1671
	Tax <Tax>	[0..*]			1671
	Type <Tp>	[1..1]	CodeSet		1672
	Description <Desc>	[0..1]	Text		1677
	Exemption <Xmptn>	[0..1]	Indicator		1677
	ExemptReason <XmptRsn>	[0..1]	Text		1678
	Amount <Amt>	[1..1]	Amount		1678
	Rate <Rate>	[0..1]	Rate		1678
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1678
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1678
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1678
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		1679

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TripLeg <TripLeg>	[0..*]	±		1679
	AncillaryPurchase <AncllryPurchs>	[0..*]	±		1681
	HiredVehicleDetails <HirdVhclDtls>	[0..*]	±		1682
	PrivateData <PrvtData>	[0..*]	(External Schema)		1683
	NationalData <NtlData>	[0..*]	(External Schema)		1683

45.1.7.13.6 VehicleRental <VhclRntl>

Presence: [0..*]

Definition: Component provides detailed vehicle rental information. One occurrence of this component provides rental agreement data reporting for a single vehicle rental transaction.

VehicleRental <VhclRntl> contains the following elements (see "VehicleRentalService4" on page 1632 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyName <CpnyNm>	[0..1]	Text		1634
	CompanyIdentification <CpnyId>	[0..1]	Text		1634
	CompanyBusinessName <CpnyBizNm>	[0..1]	Text		1635
	CompanyLegalCorporateName <CpnyLglCorpNm>	[0..1]	Text		1635
	CompanyAddress <CpnyAdr>	[0..1]	±		1635
	CompanyLocalData <CpnyLclData>	[0..*]	±		1635
	CompanyContact <CpnyCtct>	[0..1]	±		1636
	CompanyType <CpnyTp>	[0..1]	CodeSet		1636
	RenterName <RntrNm>	[1..1]	Text		1637
	RenterCorporateName <RntrCorpNm>	[0..1]	Text		1637
	RenterCorporateIdentifier <RntrCorpldr>	[1..1]	Text		1637
	RenterCorporateIdentifierAssigner <RntrCorpldrAssgnr>	[0..1]	CodeSet		1637
	PrimaryDriver <PmryDvr>	[0..1]	±		1637
	AdditionalDriver <AddtlDvr>	[0..*]	±		1638
	LoyaltyProgramme <LtyPrgrmm>	[0..*]	±		1639
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1640
	NoShow <NoShow>	[0..1]	Indicator		1640
	RentalAgreementNumber <RntlAgrmtNb>	[0..1]	Text		1640
	RentalLocation <RntlLctn>	[0..1]	±		1640
	Adjusted <Adjstd>	[0..1]	Indicator		1641
	PickupLocation <PckpLctn>	[0..*]	±		1641
	CheckOutDate <ChckOutDt>	[0..1]	Date		1641
	CheckOutTime <ChckOutTm>	[0..1]	Time		1641
	ReturnLocation <RtrLctn>	[0..1]	±		1642
	CheckInDate <ChckInDt>	[0..1]	Date		1642
	CheckInTime <ChckInTm>	[0..1]	Time		1642
	Duration <Drtn>	[0..1]	Text		1642
	ClassInvoiced <ClssInvcd>	[0..1]	Text		1642
	MakeInvoiced <MakInvcd>	[0..1]	Text		1643
	ModelInvoiced <MdllInvcd>	[0..1]	Text		1643

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RegistrationNumberInvoiced <RegnNbInvcd>	[0..1]	Text		1643
	ClassProvided <ClssPrvdd>	[0..1]	Text		1643
	MakeProvided <MakePrvdd>	[0..1]	Text		1643
	ModelProvided <MdlPrvdd>	[0..1]	Text		1643
	RegistrationNumberProvided <RegnNbPrvdd>	[0..1]	Text		1643
	DistanceUnit <DstncUnit>	[0..1]	CodeSet		1643
	OdometerStart <OdmtrStart>	[0..1]	Text		1644
	OdometerReturn <OdmtrRtr>	[0..1]	Text		1644
	TotalDistance <TtlDstnc>	[0..1]	Text		1644
	FreeDistance <FreeDstnc>	[0..1]	Text		1644
	DistanceRate <DstncRate>	[0..1]	Amount		1644
	RentalRate <RntlRate>	[0..*]	±		1644
	Insurance <Insrnc>	[0..1]	Indicator		1645
	AdditionalAmount <AddtlAmt>	[0..*]	±		1645
	Tax <Tax>	[0..*]			1645
	Type <Tp>	[1..1]	CodeSet		1646
	Description <Desc>	[0..1]	Text		1651
	Exemption <Xmptn>	[0..1]	Indicator		1651
	ExemptReason <XmptRsn>	[0..1]	Text		1652
	Amount <Amt>	[1..1]	Amount		1652
	Rate <Rate>	[0..1]	Rate		1652
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1652
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1652
	PrivateData <PrvtData>	[0..*]	(External Schema)		1652
	NationalData <NtlData>	[0..*]	(External Schema)		1653

45.1.7.13.7 Lodging <Ldgg>

Presence: [0..*]

Definition: Component provides detailed information about lodging accommodations and related expenses for the cardholder. Acquirers can submit multiple occurrences of this component for each lodging transaction, to provide details of one or more folios.

Lodging <Ldgg> contains the following elements (see "Lodging5" on page 1613 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FolioNumber <FolioNb>	[0..1]	Text		1615
	PropertyType <PrprtyTp>	[0..1]	CodeSet		1615
	PrestigiousProperty <PrstgsPrprty>	[0..1]	Text		1616
	PropertyName <PrprtyNm>	[0..1]	Text		1616
	PropertyIdentification <PrprtyId>	[0..1]	Text		1616
	PropertyBusinessName <PrprtyBizNm>	[0..1]	Text		1616
	PropertyLegalCorporateName <PrprtyLglCorpNm>	[0..1]	Text		1616
	PropertyAddress <PrprtyAdr>	[0..1]	±		1616
	PropertyLocationCode <PrprtyLctnCd>	[0..1]	Text		1617
	PropertyLocalTimeZone <PrprtyLclTmZone>	[0..1]	Text		1617
	PropertyLocalData <PrprtyLclData>	[0..*]	±		1617
	PropertyLocalCurrency <PrprtyLclCcy>	[0..1]	CodeSet	C1	1618
	PropertyContact <PrprtyCtct>	[0..1]			1618
	Name <Nm>	[0..1]	Text		1619
	GivenName <GvnNm>	[0..1]	Text		1619
	MiddleName <MddlNm>	[0..1]	Text		1619
	LastName <LastNm>	[0..1]	Text		1619
	Phone <Phne>	[0..1]	Text		1619
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1620
	TollFreePhone <TollFreePhne>	[0..1]	Text		1620
	Email <Email>	[0..1]	Text		1620
	Fax <Fax>	[0..1]	Text		1620
	URL <URL>	[0..1]	Text		1620
	Language <Lang>	[0..1]	CodeSet		1620
	PropertyFireSafetyAct <PrprtyFireSftyAct>	[0..1]	Indicator		1620
	Customer <Cstmr>	[0..*]	±		1621
	NumberOfRooms <NbOfRooms>	[0..1]	Text		1621
	Room <Room>	[0..*]	±		1621
	Duration <Drtn>	[0..1]	Text		1621
	Arrival <Arrvl>	[0..1]	±		1622
	Departure <Dprture>	[0..1]	±		1622

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NoShow <NoShow>	[0..1]	Indicator		1622
	Insurance <Insrnc>	[0..1]	Indicator		1622
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1623
	TotalTax <TtlTax>	[0..*]			1623
	Type <Tp>	[1..1]	CodeSet		1623
	Description <Desc>	[0..1]	Text		1629
	Exemption <Xmptn>	[0..1]	Indicator		1629
	ExemptReason <XmptRsn>	[0..1]	Text		1629
	Amount <Amt>	[1..1]	Amount		1629
	Rate <Rate>	[0..1]	Rate		1629
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1629
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1630
	TotalAmount <TtlAmt>	[0..1]	Amount		1630
	AuthorisedAmount <AuthrsdAmt>	[0..*]	±		1630
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1630
	LoyaltyProgramme <LltyPrgrmm>	[0..*]	±		1630
	PrivateData <PrvtData>	[0..*]	(External Schema)		1631
	NationalData <NtlData>	[0..*]	(External Schema)		1631
	LineItem <Lineltm>	[0..*]	±		1631

45.1.7.13.8 ShippingData <ShppgData>

Presence: [0..1]

Definition: Shipping or Courier Service detail component provides detailed information regarding delivery or courier services.

ShippingData <ShppgData> contains the following elements (see "ShippingData4" on page 1462 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvNb>	[0..1]	Text		1463
	InvoiceCreationDateTime <InvCreDtTm>	[0..1]	DateTime		1463
	ServiceDescriptorCode <SvcDscrptrCd>	[0..1]	Text		1464
	IncentiveAmount <IncntivAmt>	[0..1]	Amount		1464
	MiscellaneousExpenses <MiscExpnss>	[0..1]	Amount		1464
	Insurance <Insrnc>	[0..1]	Indicator		1464
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1464
	NetAmount <NetAmt>	[0..1]	Amount		1464
	Tax <Tax>	[0..*]			1464
	Type <Tp>	[1..1]	CodeSet		1465
	Description <Desc>	[0..1]	Text		1470
	Exemption <Xmptn>	[0..1]	Indicator		1470
	ExemptReason <XmptRsn>	[0..1]	Text		1471
	Amount <Amt>	[1..1]	Amount		1471
	Rate <Rate>	[0..1]	Rate		1471
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1471
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1471
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1471
	NumberOfPackages <NbOfPackgs>	[0..1]	Text		1472
	Package <Packg>	[0..*]	±		1472
	PrivateData <PrvtData>	[0..*]	(External Schema)		1474
	NationalData <NtlData>	[0..*]	(External Schema)		1474

45.1.7.13.9 TelecommunicationServices <TelecomSvcs>

Presence: [0..1]

Definition: Telecommunication services component is designed to carry telephony billing data and to enable issuers to supply more transaction information to their consumer and corporate clients pertaining to telecommunications services and related billing information.

TelecommunicationServices <TelecomSvcs> contains the following elements (see
"TelecomServices4" on page 1688 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerAccountNumber <CstmrAcctNb>	[0..1]	Text		1689
	CustomerName <CstmrNm>	[0..1]	Text		1689
	CustomerPhone <CstmrPhne>	[0..1]	Text		1689
	BillingStart <BllgStart>	[0..1]	Date		1690
	BillingEnd <BllgEnd>	[0..1]	Date		1690
	BillingEvent <BllgEvt>	[0..*]	±		1690
	TotalTax <TtlTax>	[0..*]			1690
	Type <Tp>	[1..1]	CodeSet		1690
	Description <Desc>	[0..1]	Text		1696
	Exemption <Xmptn>	[0..1]	Indicator		1696
	ExemptReason <XmptRsn>	[0..1]	Text		1696
	Amount <Amt>	[1..1]	Amount		1696
	Rate <Rate>	[0..1]	Rate		1696
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1697
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1697
	TotalAmount <TtlAmt>	[0..1]	Amount		1697
	LineItem <Lineitm>	[0..*]	±		1697
	PrivateData <PrvtData>	[0..*]	(External Schema)		1699
	NationalData <NtlData>	[0..*]	(External Schema)		1699

45.1.7.13.10 TemporaryServices <TempSvcs>

Presence: [0..*]

Definition: Temporary Services component provides detailed information regarding the billing for services rendered on a temporary or contract basis. The component provides information such as the employee job performed, timekeeping, and billing rates.

TemporaryServices <TempSvcs> contains the following elements (see "TemporaryServices4" on page 1541 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyName <CpnyNm>	[0..1]	Text		1543
	CompanyDepartment <CpnyDept>	[0..1]	Text		1543
	CompanyIdentification <CpnyId>	[0..1]	Text		1543
	CompanyBusinessName <CpnyBizNm>	[0..1]	Text		1543
	CompanyLegalCorporateName <CpnyLglCorpNm>	[0..1]	Text		1543
	CompanyAddress <CpnyAdr>	[0..1]	±		1543
	CompanyLocalData <CpnyLclData>	[0..*]	±		1544
	CompanySupervisor <CpnySprvsr>	[0..1]	Text		1544
	EmployeePersonalIdentification <MplyeePrsnId>	[0..1]	Text		1545
	EmployeeIdentification <MplyeeId>	[0..1]	Text		1545
	EmployeeName <MplyeeNm>	[0..1]	Text		1545
	EmployeeProfessionalLevel <MplyeePrfssnlLv>	[0..1]	Text		1545
	JobCode <JobCd>	[0..1]	Text		1545
	JobDescription <JobDesc>	[0..1]	Text		1545
	JobStartDate <JobStartDt>	[0..1]	Date		1545
	JobDuration <JobDrtn>	[0..1]	Text		1545
	JobEndDate <JobEndDt>	[0..1]	Date		1546
	FlatRateIndicator <FlatRateInd>	[0..1]	Indicator		1546
	DiscountAmount <DscntAmt>	[0..1]	Amount		1546
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1546
	TimeSheet <TmSheet>	[0..1]	Text		1546
	WeekEnding <WkEndg>	[0..1]	Date		1546
	ChargeRate <ChrgRate>	[0..*]	±		1546
	MiscellaneousExpenses <MiscExpnss>	[0..*]	±		1547
	SubtotalAmount <SbtltlAmt>	[0..1]	Amount		1547
	Tax <Tax>	[0..*]			1547
	Type <Tp>	[1..1]	CodeSet		1548
	Description <Desc>	[0..1]	Text		1553
	Exemption <Xmptn>	[0..1]	Indicator		1553
	ExemptReason <XmptRsn>	[0..1]	Text		1553

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1553
	Rate <Rate>	[0..1]	Rate		1554
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1554
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1554
	TotalAmount <TtlAmt>	[0..1]	Amount		1554
	PrivateData <PrvtData>	[0..*]	(External Schema)		1554
	NationalData <NtlData>	[0..*]	(External Schema)		1554

45.1.7.13.11 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.13.12 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.14 AdditionalFeeReconciliation4

Definition: Contains additional fee reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Impact <Impct>	[1..1]	CodeSet		1541
	Type <Tp>	[1..1]	CodeSet		1541
	Amount <Amt>	[1..1]	Amount		1541
	Count <Cnt>	[1..1]	Quantity		1541

45.1.7.14.1 Impact <Impct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 2139

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

45.1.7.14.2 Type <Tp>

Presence: [1..1]

Definition: contains the list of additional fee types.

Datatype: "ISO8583FeeTypeCode" on page 2126

45.1.7.14.3 Amount <Amt>

Presence: [1..1]

Definition: Cumulative amount of all financial transactions.

ISO 8583:87 bit 82, 83, 84 & 85

ISO 8583:93/2003 bit 109 & 110

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.14.4 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

45.1.7.15 TemporaryServices4

Definition: Information regarding the billing for services rendered on a temporary or contract basis. The component provides information such as the employee job performed, timekeeping, and billing rates.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyName <CpnyNm>	[0..1]	Text		1543
	CompanyDepartment <CpnyDept>	[0..1]	Text		1543
	CompanyIdentification <CpnyId>	[0..1]	Text		1543
	CompanyBusinessName <CpnyBizNm>	[0..1]	Text		1543
	CompanyLegalCorporateName <CpnyLglCorpNm>	[0..1]	Text		1543
	CompanyAddress <CpnyAdr>	[0..1]	±		1543
	CompanyLocalData <CpnyLclData>	[0..*]	±		1544
	CompanySupervisor <CpnySprvsr>	[0..1]	Text		1544
	EmployeePersonalIdentification <MplyeePrsnId>	[0..1]	Text		1545
	EmployeeIdentification <MplyeeId>	[0..1]	Text		1545
	EmployeeName <MplyeeNm>	[0..1]	Text		1545
	EmployeeProfessionalLevel <MplyeePrfssnlLv>	[0..1]	Text		1545
	JobCode <JobCd>	[0..1]	Text		1545
	JobDescription <JobDesc>	[0..1]	Text		1545
	JobStartDate <JobStartDt>	[0..1]	Date		1545
	JobDuration <JobDrtn>	[0..1]	Text		1545
	JobEndDate <JobEndDt>	[0..1]	Date		1546
	FlatRateIndicator <FlatRateInd>	[0..1]	Indicator		1546
	DiscountAmount <DscntAmt>	[0..1]	Amount		1546
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1546
	TimeSheet <TmSheet>	[0..1]	Text		1546
	WeekEnding <WkEndg>	[0..1]	Date		1546
	ChargeRate <ChrgRate>	[0..*]	±		1546
	MiscellaneousExpenses <MiscExpnss>	[0..*]	±		1547
	SubtotalAmount <SbtltAmt>	[0..1]	Amount		1547
	Tax <Tax>	[0..*]			1547
	Type <Tp>	[1..1]	CodeSet		1548
	Description <Desc>	[0..1]	Text		1553
	Exemption <Xmptn>	[0..1]	Indicator		1553
	ExemptReason <XmptRsn>	[0..1]	Text		1553
	Amount <Amt>	[1..1]	Amount		1553

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Rate <Rate>	[0..1]	Rate		1554
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1554
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1554
	TotalAmount <TtlAmt>	[0..1]	Amount		1554
	PrivateData <PrvtData>	[0..*]	(External Schema)		1554
	NationalData <NtlData>	[0..*]	(External Schema)		1554

45.1.7.15.1 CompanyName <CpnyNm>

Presence: [0..1]

Definition: Contains the name of the individual at the contracting company that has requested temporary services.

Datatype: "Max70Text" on page 2167

45.1.7.15.2 CompanyDepartment <CpnyDept>

Presence: [0..1]

Definition: Contains the name of the department at the contracting company in which the temporary staff will be working.

Datatype: "Max70Text" on page 2167

45.1.7.15.3 CompanyIdentification <CpnyId>

Presence: [0..1]

Definition: Identification of the temporary services company.

Datatype: "Max35Text" on page 2163

45.1.7.15.4 CompanyBusinessName <CpnyBizNm>

Presence: [0..1]

Definition: Business name of the temporary services company.

Datatype: "Max35Text" on page 2163

45.1.7.15.5 CompanyLegalCorporateName <CpnyLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the temporary services company.

Datatype: "Max99Text" on page 2168

45.1.7.15.6 CompanyAddress <CpnyAdr>

Presence: [0..1]

Definition: Address of the temporary services company.

CompanyAddress <CpnyAdr> contains the following elements (see ["Address4"](#) on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.15.7 CompanyLocalData <CpnyLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of the temporary services company data.

CompanyLocalData <CpnyLclData> contains the following elements (see ["LocalData20"](#) on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.15.8 CompanySupervisor <CpnySprvsr>

Presence: [0..1]

Definition: Contains the name of the individual at the contracting company that is supervising the temporary staff.

Datatype: ["Max70Text"](#) on page 2167

45.1.7.15.9 EmployeePersonalIdentification <MplyeePrsnlId>

Presence: [0..1]

Definition: Contains the personal ID associated with the individual working in a temporary capacity.

Datatype: "Max35Text" on page 2163

45.1.7.15.10 EmployeeIdentification <Mplyeeld>

Presence: [0..1]

Definition: Contains the company-provided ID associated with the individual working in a temporary capacity.

Datatype: "PhoneNumber" on page 2169

45.1.7.15.11 EmployeeName <MplyeeNm>

Presence: [0..1]

Definition: Contains the name of the individual working in a temporary capacity.

Datatype: "Max70Text" on page 2167

45.1.7.15.12 EmployeeProfessionalLevel <MplyeePrfssnlLvl>

Presence: [0..1]

Definition: Contains the professional level of the individual working in a temporary capacity.

Datatype: "Max35Text" on page 2163

45.1.7.15.13 JobCode <JobCd>

Presence: [0..1]

Definition: Identifies the job or task being performed by the individual working in a temporary capacity.

Datatype: "Max35Text" on page 2163

45.1.7.15.14 JobDescription <JobDesc>

Presence: [0..1]

Definition: Contains the description of the job or task of the individual working in a temporary capacity.

Datatype: "Max256Text" on page 2162

45.1.7.15.15 JobStartDate <JobStartDt>

Presence: [0..1]

Definition: Contains the start date of the job.

Datatype: "ISODate" on page 2151

45.1.7.15.16 JobDuration <JobDrtn>

Presence: [0..1]

Definition: Duration of the job expressed in number of days.

Datatype: "Max5NumericText" on page 2166

45.1.7.15.17 JobEndDate <JobEndDt>

Presence: [0..1]

Definition: Contains the end date of the job.

Datatype: "ISODate" on page 2151

45.1.7.15.18 FlatRateIndicator <FlatRateInd>

Presence: [0..1]

Definition: Indicates whether or not the fee for the individual working in a temporary capacity is a flat rate.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.15.19 DiscountAmount <DscntAmt>

Presence: [0..1]

Definition: Contains the discount amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.15.20 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.15.21 TimeSheet <TmSheet>

Presence: [0..1]

Definition: Contains the time sheet identification number.

Datatype: "Max35Text" on page 2163

45.1.7.15.22 WeekEnding <WkEndg>

Presence: [0..1]

Definition: Contains the date of the end of the billing cycle.

Datatype: "ISODate" on page 2151

45.1.7.15.23 ChargeRate <ChrgRate>

Presence: [0..*]

Definition: Contains rate details of the temporary service charges.

ChargeRate <ChrgRate> contains the following elements (see "[TemporaryServiceChargeRate1](#)" on page 1461 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1461
	Rate <Rate>	[0..1]	Amount		1462
	Hours <Hrs>	[0..1]	Text		1462

45.1.7.15.24 MiscellaneousExpenses <MiscExpnss>

Presence: [0..*]

Definition: Contains miscellaneous expense details.

MiscellaneousExpenses <MiscExpnss> contains the following elements (see "[Amount13](#)" on page 1393 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1393
	Description <Desc>	[0..1]	Text		1394
	Amount <Amt>	[1..1]	Amount		1394

45.1.7.15.25 SubtotalAmount <SbttlAmt>

Presence: [0..1]

Definition: Subtotal amount exclusive of tax.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 2096

45.1.7.15.26 Tax <Tax>

Presence: [0..*]

Definition: Contains the amount of taxes assessed for temporary services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1548
	Description <Desc>	[0..1]	Text		1553
	Exemption <Xmptn>	[0..1]	Indicator		1553
	ExemptReason <XmptRsn>	[0..1]	Text		1553
	Amount <Amt>	[1..1]	Amount		1553
	Rate <Rate>	[0..1]	Rate		1554
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1554
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1554

45.1.7.15.26.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).

CodeName	Name	Definition
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist

CodeName	Name	Definition
		as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.

CodeName	Name	Definition
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided

CodeName	Name	Definition
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an

CodeName	Name	Definition
		entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.15.26.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.15.26.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.15.26.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.15.26.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.15.26.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.15.26.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.15.26.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.15.27 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount includes amounts of all expenses and total tax amounts, minus discount amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.15.28 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.15.29 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.16 Context29

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1555
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1555
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1555
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1556
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1556
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1556
	NoShow <NoShow>	[0..1]	Indicator		1556
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1556
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1557
	PartialShipment <PrtlShpmnt>	[0..1]	Indicator		1557
	PrivateData <PrvtData>	[0..*]	(External Schema)		1557
	NationalData <NtlData>	[0..*]	(External Schema)		1557

45.1.7.16.1 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.16.2 MerchantCategorySpecificData <MrchntCtgySpfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.16.3 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.16.4 POSConditionCode <POSCondCd>

Presence: [0..1]

Definition: A code identifying transaction conditions at the point-of-sale or point of service.

Datatype: "ISO8583POSConditionCode" on page 2127

45.1.7.16.5 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 2145

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.16.6 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.16.7 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.16.8 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.16.9 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.16.10 PartialShipment <PrtlShipmnt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.16.11 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.16.12 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.17 DriverOrVehicleCardData1

Definition: Information about the driver or vehicle card.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1558
	PrivateData <PrvtData>	[0..*]	(External Schema)		1558
	NationalData <NtlData>	[0..*]	(External Schema)		1558

45.1.7.17.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the driver or vehicle.

Datatype: "Max20Text" on page 2161

45.1.7.17.2 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.17.3 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.18 Invoice4

Definition: Invoice data pertaining to the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Number <Nb>	[0..1]	Text		1560
	Date <Dt>	[0..1]	Date		1561
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1561
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1561
	SellerName <SellrNm>	[0..1]	Text		1561
	SellerIdentification <SellrId>	[0..1]	Text		1561
	SellerBusinessName <SellrBizNm>	[0..1]	Text		1561
	SellerLegalCorporateName <SellrLglCorpNm>	[0..1]	Text		1561
	SellerLocalData <SellrLclData>	[0..*]	±		1561
	SellerAddress <SellrAdr>	[0..1]	±		1562
	SellerContact <SellrCtct>	[0..1]			1562
	Name <Nm>	[0..1]	Text		1563
	GivenName <GvnNm>	[0..1]	Text		1563
	MiddleName <MddlNm>	[0..1]	Text		1563
	LastName <LastNm>	[0..1]	Text		1563
	Phone <Phne>	[0..1]	Text		1563
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1564
	TollFreePhone <TollFreePhne>	[0..1]	Text		1564
	Email <Email>	[0..1]	Text		1564
	Fax <Fax>	[0..1]	Text		1564
	URL <URL>	[0..1]	Text		1564
	Language <Lang>	[0..1]	CodeSet		1564
	SellerTaxRegistrationIdentification <SellrTaxRegnId>	[0..1]	Text		1564
	SellerAdditionalInformation <SellrAddtlInf>	[0..1]	Text		1564
	BuyerName <BuyrNm>	[0..1]	Text		1564
	BuyerIdentification <BuyrId>	[0..1]	Text		1565
	BuyerBusinessName <BuyrBizNm>	[0..1]	Text		1565
	BuyerLegalCorporateName <BuyrLglCorpNm>	[0..1]	Text		1565
	BuyerLocalData <BuyrLclData>	[0..*]	±		1565
	BuyerAddress <BuyrAdr>	[0..1]	±		1565
	BuyerContact <BuyrCtct>	[0..1]			1566

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1566
	GivenName <GvnNm>	[0..1]	Text		1567
	MiddleName <MddlNm>	[0..1]	Text		1567
	LastName <LastNm>	[0..1]	Text		1567
	Phone <Phne>	[0..1]	Text		1567
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1567
	TollFreePhone <TollFreePhne>	[0..1]	Text		1567
	Email <Email>	[0..1]	Text		1567
	Fax <Fax>	[0..1]	Text		1567
	URL <URL>	[0..1]	Text		1568
	Language <Lang>	[0..1]	CodeSet		1568
	BuyerTaxRegistrationIdentification <BuyrTaxRegnId>	[0..1]	Text		1568
	BuyerAdditionalInformation <BuyrAddtlInf>	[0..1]	Text		1568
	FreightAmount <FrghtAmt>	[0..1]	Amount		1568
	TaxTotal <TaxTtl>	[0..*]			1568
	Type <Tp>	[1..1]	CodeSet		1569
	Description <Desc>	[0..1]	Text		1574
	Exemption <Xmptn>	[0..1]	Indicator		1574
	ExemptReason <XmptRsn>	[0..1]	Text		1574
	Amount <Amt>	[1..1]	Amount		1574
	Rate <Rate>	[0..1]	Rate		1575
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1575
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1575
	TaxReclaimMethod <TaxRclmMtd>	[0..1]	CodeSet		1575
	PrivateData <PrvtData>	[0..*]	(External Schema)		1575
	NationalData <NtlData>	[0..*]	(External Schema)		1576
	LineItem <Lineltm>	[0..*]	±		1576

45.1.7.18.1 Number <Nb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 2167

45.1.7.18.2 Date <Dt>

Presence: [0..1]

Definition: Effective billing date.

Datatype: "ISODate" on page 2151

45.1.7.18.3 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Contains the date and time the electronic invoice was created.

Datatype: "ISODateTime" on page 2152

45.1.7.18.4 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.18.5 SellerName <SellrNm>

Presence: [0..1]

Definition: Name of the seller.

Datatype: "Max105Text" on page 2157

45.1.7.18.6 SellerIdentification <SellrId>

Presence: [0..1]

Definition: Identification of the seller.

Datatype: "Max35Text" on page 2163

45.1.7.18.7 SellerBusinessName <SellrBizNm>

Presence: [0..1]

Definition: Business name of the seller.

Datatype: "Max35Text" on page 2163

45.1.7.18.8 SellerLegalCorporateName <SellrLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the seller.

Datatype: "Max99Text" on page 2168

45.1.7.18.9 SellerLocalData <SellrLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of seller data.

SellerLocalData <SellrLclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.18.10 SellerAddress <SellrAdr>

Presence: [0..1]

Definition: Address of the seller.

SellerAddress <SellrAdr> contains the following elements (see "[Address4](#)" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.18.11 SellerContact <SellrCtct>

Presence: [0..1]

Definition: Contact information related to the seller.

SellerContact <SellrCtct> contains the following **ContactBusiness1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1563
	GivenName <GvnNm>	[0..1]	Text		1563
	MiddleName <MddlNm>	[0..1]	Text		1563
	LastName <LastNm>	[0..1]	Text		1563
	Phone <Phne>	[0..1]	Text		1563
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1564
	TollFreePhone <TollFreePhne>	[0..1]	Text		1564
	Email <Email>	[0..1]	Text		1564
	Fax <Fax>	[0..1]	Text		1564
	URL <URL>	[0..1]	Text		1564
	Language <Lang>	[0..1]	CodeSet		1564

45.1.7.18.11.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max70Text" on page 2167

45.1.7.18.11.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.18.11.3 MiddleName <MddlNm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.7.18.11.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.18.11.5 Phone <Phne>

Presence: [0..1]

Definition: Main phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.11.6 PropertyPhone <PrprtyPhne>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.11.7 TollFreePhone <TollFreePhne>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.11.8 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.18.11.9 Fax <Fax>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.11.10 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.7.18.11.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 2124

45.1.7.18.12 SellerTaxRegistrationIdentification <SellrTaxRegnId>

Presence: [0..1]

Definition: Identification of the seller recognized by the taxation authority.

Datatype: "Max70Text" on page 2167

45.1.7.18.13 SellerAdditionalInformation <SellrAddtlInf>

Presence: [0..1]

Definition: Additional information about the seller.

Datatype: "Max1000Text" on page 2157

45.1.7.18.14 BuyerName <BuyrNm>

Presence: [0..1]

Definition: Name of the buyer.

Datatype: ["Max105Text" on page 2157](#)

45.1.7.18.15 BuyerIdentification <BuyrId>

Presence: [0..1]

Definition: Identification of the buyer.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.18.16 BuyerBusinessName <BuyrBizNm>

Presence: [0..1]

Definition: Business name of the buyer.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.18.17 BuyerLegalCorporateName <BuyrLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the buyer.

Datatype: ["Max99Text" on page 2168](#)

45.1.7.18.18 BuyerLocalData <BuyrLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of buyer data.

BuyerLocalData <BuyrLclData> contains the following elements (see ["LocalData20" on page 1897](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.18.19 BuyerAddress <BuyrAdr>

Presence: [0..1]

Definition: Address of the buyer.

BuyerAddress <BuyrAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.18.20 BuyerContact <BuyrCtct>

Presence: [0..1]

Definition: Contact information related to the buyer.

BuyerContact <BuyrCtct> contains the following **ContactBusiness1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1566
	GivenName <GvnNm>	[0..1]	Text		1567
	MiddleName <MddlNm>	[0..1]	Text		1567
	LastName <LastNm>	[0..1]	Text		1567
	Phone <Phne>	[0..1]	Text		1567
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1567
	TollFreePhone <TollFreePhne>	[0..1]	Text		1567
	Email <Email>	[0..1]	Text		1567
	Fax <Fax>	[0..1]	Text		1567
	URL <URL>	[0..1]	Text		1568
	Language <Lang>	[0..1]	CodeSet		1568

45.1.7.18.20.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max70Text" on page 2167

45.1.7.18.20.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.18.20.3 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.7.18.20.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.18.20.5 Phone <Phne>

Presence: [0..1]

Definition: Main phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.20.6 PropertyPhone <PrprtyPhne>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.20.7 TollFreePhone <TollFreePhne>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.20.8 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.18.20.9 Fax <Fax>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.18.20.10 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.7.18.20.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 2124

45.1.7.18.21 BuyerTaxRegistrationIdentification <BuyrTaxRegnId>

Presence: [0..1]

Definition: Identification of the buyer recognized by the taxation authority.

Datatype: "Max70Text" on page 2167

45.1.7.18.22 BuyerAdditionalInformation <BuyrAddtlInf>

Presence: [0..1]

Definition: Additional information about the buyer.

Datatype: "Max1000Text" on page 2157

45.1.7.18.23 FreightAmount <FrghtAmt>

Presence: [0..1]

Definition: Contains the freight charges for the entire purchase.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.18.24 TaxTotal <TaxTtl>

Presence: [0..*]

Definition: Contains the total tax amount for the entire purchase.

TaxTotal <TaxTtl> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1569
	Description <Desc>	[0..1]	Text		1574
	Exemption <Xmptn>	[0..1]	Indicator		1574
	ExemptReason <XmptRsn>	[0..1]	Text		1574
	Amount <Amt>	[1..1]	Amount		1574
	Rate <Rate>	[0..1]	Rate		1575
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1575
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1575

45.1.7.18.24.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).

CodeName	Name	Definition
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist

CodeName	Name	Definition
		as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.

CodeName	Name	Definition
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided

CodeName	Name	Definition
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an

CodeName	Name	Definition
		entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.18.24.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.18.24.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.18.24.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.18.24.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.18.24.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.18.24.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.18.24.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.18.25 TaxReclaimMethod <TaxRclmMtd>

Presence: [0..1]

Definition: Code that identifies the disposition of the tax reclaim invoice.

Datatype: "TaxReclaimMethod1Code" on page 2143

CodeName	Name	Definition
INPP	InvoicePrintedPrimary	Invoice printed and given to purchaser and then used for tax reclaim
INPS	InvoicePrintedSupplimental	Invoice printed but treated as supplemental because electronic copy is used for tax reclaim
INSU	InvoiceSuppressed	Printed invoice suppressed because electronic master version is used for tax reclaim
OTHR	Other	Other tax reclaim method not elsewhere specified

45.1.7.18.26 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.18.27 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.18.28 LineItem <LineItem>

Presence: [0..*]

Definition: Line item information.

LinItem <LinItem> contains the following elements (see "InvoiceLinItem4" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1449
	OrderDate <OrderDt>	[0..1]	Date		1449
	ContractNumber <ContractNb>	[0..1]	Text		1449
	ShippingDate <ShippingDt>	[0..1]	Date		1449
	Rebilling <Rbllg>	[0..1]	Indicator		1449
	MedicalServices <MedclSvcs>	[0..1]	Indicator		1449
	ShipToIndustryCode <ShipToIndustryCd>	[0..1]	Text		1450
	ProductCode <PdctCd>	[0..1]	Text		1450
	ProductQualifier <PdctQlfr>	[0..1]	Text		1450
	Description <Desc>	[0..1]	Text		1450
	TypeOfSupply <TpOfSupply>	[0..1]	Text		1450
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1450
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1452
	UnitPrice <UnitPric>	[0..1]	Amount		1452
	ProductQuantity <PdctQty>	[0..1]	Quantity		1452
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		1452
	AdjustmentCreditDebit <AdjstmntCdtDbt>	[0..1]	CodeSet		1452
	AdjustmentReason <AdjstmntRsn>	[0..1]	Text		1453
	Insurance <Insrnc>	[0..1]	Indicator		1453
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1453
	Tax <Tax>	[0..*]			1453
	Type <Tp>	[1..1]	CodeSet		1453
	Description <Desc>	[0..1]	Text		1459
	Exemption <Xmptn>	[0..1]	Indicator		1459
	ExemptReason <XmptRsn>	[0..1]	Text		1459
	Amount <Amt>	[1..1]	Amount		1459
	Rate <Rate>	[0..1]	Rate		1459
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1460
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1460
	VATInvoiceReference <VATInvRef>	[0..1]	Text		1460
	TotalAmount <TtlAmt>	[0..1]	Amount		1460

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1460
	ZeroCostToCustomer <ZeroCostToCstmr>	[0..1]	Indicator		1460
	PrivateData <PrvtData>	[0..*]	(External Schema)		1461
	NationalData <NtlData>	[0..*]	(External Schema)		1461

45.1.7.19 PromotionData1

Definition: Contain information related promotion program applied to the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	CodeSet		1578
	Type <Tp>	[0..1]	Text		1579
	Description <Desc>	[0..1]	Text		1579
	Code <Cd>	[0..1]	Text		1579
	Start <Start>	[0..1]	DateTime		1579
	End <End>	[0..1]	DateTime		1579
	Amount <Amt>	[0..1]	Amount		1579
	RedemptionMethod <RedMtd>	[0..1]	Text		1580
	Channel <Chanl>	[0..1]	Text		1580
	Category <Ctgy>	[0..1]	Text		1580
	Stackable <Stckbl>	[0..1]	Indicator		1580
	TermsURL <TermsURL>	[0..1]	Text		1580

45.1.7.19.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identify the type of entity offering the promotion. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.7.19.2 Type <Tp>

Presence: [0..1]

Definition: Type of promotion. Specifies the nature of the promotion being applied. examples, Discount, Cashback, Loyalty Points, BOGO (Buy One Get One), Deferred Billing, etc.

Datatype: "Max35Text" on page 2163

45.1.7.19.3 Description <Desc>

Presence: [0..1]

Definition: Detail description of the promotion, useful for display on receipts, statements, other customer facing or suppor function.

Datatype: "Max140Text" on page 2159

45.1.7.19.4 Code <Cd>

Presence: [0..1]

Definition: An unique code assigned to the promotion, such as a campaign code or offer ID. This enables systems to track, validate, and reconcile promotions across transactions and reporting.

Datatype: "Max35Text" on page 2163

45.1.7.19.5 Start <Start>

Presence: [0..1]

Definition: Date and time when promotion begin.

Datatype: "ISODatetime" on page 2152

45.1.7.19.6 End <End>

Presence: [0..1]

Definition: Date and time when promotion end.

Datatype: "ISODatetime" on page 2152

45.1.7.19.7 Amount <Amt>

Presence: [0..1]

Definition: Contains amount of the promotion.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.19.8 RedemptionMethod <RedMtd>

Presence: [0..1]

Definition: Describes how the promotion is applied to the transaction.

Datatype: "Max35Text" on page 2163

45.1.7.19.9 Channel <Chanl>

Presence: [0..1]

Definition: The channel through which the promotion is offered.

Datatype: "Max35Text" on page 2163

45.1.7.19.10 Category <Ctgy>

Presence: [0..1]

Definition: A classification of the promotion based on the type of goods or services involved.

Datatype: "Max35Text" on page 2163

45.1.7.19.11 Stackable <Stckbl>

Presence: [0..1]

Definition: Specifies whether this promotion can be combined with other promotions in the same transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.19.12 TermsURL <TermsURL>

Presence: [0..1]

Definition: A URL linking to the rules or full terms and conditions of the promotion.

Datatype: "Max256Text" on page 2162

45.1.7.20 BenefitSupportingData1

Definition: Contains information related benefit (healthcare, employee benefit, etc.)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdministratorIdentification <Admstrld>	[0..1]	Text		1581
	ServiceType <SvcTp>	[0..1]	Text		1581
	ProviderIdentification <Prvdrlld>	[0..1]	Text		1581
	DecisionReason <DcsnRsn>	[0..1]	Text		1581

45.1.7.20.1 AdministratorIdentification <AdmstrId>

Presence: [0..1]

Definition: Identification of the benefit administrator.

Datatype: "Max35Text" on page 2163

45.1.7.20.2 ServiceType <SvcTp>

Presence: [0..1]

Definition: The defined standard code for healthcare treatment or service type related to the benefit.

Datatype: "Max35Text" on page 2163

45.1.7.20.3 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identification of the health insurance provider.

Datatype: "Max35Text" on page 2163

45.1.7.20.4 DecisionReason <DcsnRsn>

Presence: [0..1]

Definition: Contains the reason of approval or declines of benefit eligibility inquiry.

Datatype: "Max35Text" on page 2163

45.1.7.21 TransactionSpecificData2

Definition: Addendum data structure is applicable to certain merchant verticals that require industry-specific data within transaction messages.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseRestriction <PurchsRstrctn>	[0..1]	Text		1581
	FleetLineItem <FleetLineitm>	[0..*]	±		1581
	PrivateData <PrvtData>	[0..*]	(External Schema)		1582
	NationalData <NtlData>	[0..*]	(External Schema)		1582

45.1.7.21.1 PurchaseRestriction <PurchsRstrctn>

Presence: [0..1]

Definition: Contain issuer's purchase restriction applied at POS. Refer to Connexus standard DF32.

Datatype: "Max16HexBinaryText" on page 2160

45.1.7.21.2 FleetLineItem <FleetLineitm>

Presence: [0..*]

Definition: It is designed to carry detail level fleet data and to enable issuers to supply more transaction information to their consumer and corporate clients pertaining to fleet transactions.

FleetLineItem <FleetLineitm> contains the following elements (see "[FleetLineItem6](#)" on page 1854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AllowedItem <Allwdltm>	[0..1]	Indicator		1855
	Fuel <Fuel>	[1..1]	Indicator		1855
	ServiceType <SvcTp>	[0..1]	CodeSet		1855
	ProductCategory <PdctCtgy>	[0..1]	Text		1856
	ProductCode <PdctCd>	[0..1]	Text		1856
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1856
	ProductQuantity <PdctQty>	[0..1]	Quantity		1857
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1858
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1858

45.1.7.21.3 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.21.4 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.22 TelecomLineItemAmount1

Definition: Contains amount details for a specific type of charge.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1583
	Amount <Amt>	[1..1]	Amount		1583
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1583

45.1.7.22.1 Type <Tp>

Presence: [0..1]

Definition: Type of telephone charge. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TypeOfAmount25Code" on page 2147

CodeName	Name	Definition
CONN	Connect	Telephone connection-related charge
INSU	Insurance	Insurance charges
LNDS	LongDistance	Charges related to a long distance call.
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
USGE	Usage	Telephone usage-related charge

45.1.7.22.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.22.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.23 FleetVehicleData1

Definition: Attributes of a fleet vehicle.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Number <Nb>	[0..1]	Text		1585
	IdentificationNumber <IdNb>	[0..1]	Text		1585
	FleetNumber <FleetNb>	[0..1]	Text		1585
	SubFleetNumber <SubFleetNb>	[0..1]	Text		1585
	UnitNumber <UnitNb>	[0..1]	Text		1585
	TrailerNumber <TrlrNb>	[0..1]	Text		1585
	Tag <Tag>	[0..1]	Text		1586
	TagEntryMode <TagNtryMd>	[0..1]	CodeSet		1586
	Replacement <Rplcmnt>	[0..1]	Indicator		1586
	Odometer <Odmtr>	[0..1]	Quantity		1586
	Hubometer <Hbmtr>	[0..1]	Quantity		1586
	Maintenanceldentification <Mntncld>	[0..1]	Text		1587
	OnBoardDiagnostics <OnBrdDgnstcs>	[0..1]			1587
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1587
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1588
	EngineHours <NgnHrs>	[0..1]	Quantity		1588
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1588
	EngineLoad <NgnLd>	[0..1]	Text		1588
	EngineRPM <NgnRPM>	[0..1]	Text		1588
	EngineOilTemperature <NgnOilTmptr>	[0..1]	Quantity		1588
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1589
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1589
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1589
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1589
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1589
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1589
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1589
	RefrigerationTemperature <RfrgrtnTmptr>	[0..1]	Quantity		1589
	CoolantTemperature <CoolntTmptr>	[0..1]	Quantity		1590
	BatteryVoltage <BttryVltg>	[0..1]	Text		1590
	HardBraking <HardBrakg>	[0..1]	Text		1590

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1590
	AdditionalData <AddtlData>	[0..*]			1590
	Type <Tp>	[0..1]	Text		1590
	EntryMode <NtryMd>	[0..1]	CodeSet		1590
	Data <Data>	[1..1]	Text		1591
	PrivateData <PrvtData>	[0..*]	(External Schema)		1591
	NationalData <NtlData>	[0..*]	(External Schema)		1591

45.1.7.23.1 Number <Nb>

Presence: [0..1]

Definition: Identification number assigned to the vehicle by the fleet operator. This may not be a legal registration.

Datatype: "Max35NumericText" on page 2163

45.1.7.23.2 IdentificationNumber <IdNb>

Presence: [0..1]

Definition: Number that uniquely identifies the vehicle as assigned by the vehicle manufacturer.

Datatype: "Max35NumericText" on page 2163

45.1.7.23.3 FleetNumber <FleetNb>

Presence: [0..1]

Definition: Fleet number.

Datatype: "Max10Text" on page 2158

45.1.7.23.4 SubFleetNumber <SubFleetNb>

Presence: [0..1]

Definition: Sub fleet number.

Datatype: "Max35Text" on page 2163

45.1.7.23.5 UnitNumber <UnitNb>

Presence: [0..1]

Definition: Identification of the unit number of the vehicle in the fleet.

Datatype: "Max35NumericText" on page 2163

45.1.7.23.6 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Identification number assigned to the trailer.

Datatype: "Max35NumericText" on page 2163

45.1.7.23.7 Tag <Tag>

Presence: [0..1]

Definition: Registration tag of the vehicle.

Datatype: "Max35Text" on page 2163

45.1.7.23.8 TagEntryMode <TagNtryMd>

Presence: [0..1]

Definition: Entry mode of the registration tag.

Datatype: "CardDataReading5Code" on page 2110

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

45.1.7.23.9 Replacement <Rplcmnt>

Presence: [0..1]

Definition: True indicates a replacement vehicle.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.23.10 Odometer <Odmtr>

Presence: [0..1]

Definition: Odometer reading value indicating the distance travelled by the vehicle (for example, car, van, pickup truck, semi-truck portion of a tractor trailer unit).

Datatype: "DecimalNumber" on page 2152

45.1.7.23.11 Hubometer <Hbmtr>

Presence: [0..1]

Definition: Hubometer reading value indicating the distance travelled by the trailer (for example, the semi-trailer portion of a tractor trailer unit).

Datatype: "DecimalNumber" on page 2152

45.1.7.23.12 MaintenancelIdentification <Mntncld>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 2163

45.1.7.23.13 OnBoardDiagnostics <OnBrdDgnstcs>

Presence: [0..1]

Definition: Data captured from on board diagnostic systems.

OnBoardDiagnostics <OnBrdDgnstcs> contains the following **OnBoardDiagnostics1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EnginIdleTime <NgnIdleTm>	[0..1]	Quantity		1587
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1588
	EngineHours <NgnHrs>	[0..1]	Quantity		1588
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1588
	EngineLoad <NgnLd>	[0..1]	Text		1588
	EngineRPM <NgnRPM>	[0..1]	Text		1588
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1588
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1589
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1589
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1589
	FuelTankLevelStart <FuelTankLvStart>	[0..1]	Text		1589
	FuelGaugeLevel <FuelGaugeLv>	[0..1]	Text		1589
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1589
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1589
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1589
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1590
	BatteryVoltage <BttryVltg>	[0..1]	Text		1590
	HardBraking <HardBrakg>	[0..1]	Text		1590
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1590

45.1.7.23.13.1 EnginIdleTime <NgnIdleTm>

Presence: [0..1]

Definition: Current amount of time the vehicle engine has run idle (under no load) as determined by the vehicle monitoring system.

Expressed in hours

Datatype: "Max10NumberFraction2" on page 2153

45.1.7.23.13.2 EngineTotalIdleTime <NgnTtlIdleTm>

Presence: [0..1]

Definition: Total amount of time the vehicle engine has run idle (under no load) since the last reset, as determined by the vehicle monitoring system.

Expressed in hours

Datatype: "Max10NumberFraction2" on page 2153

45.1.7.23.13.3 EngineHours <NgnHrs>

Presence: [0..1]

Definition: Number of hours the engine has been running (including idle time) as determined by the vehicle monitoring system.

Datatype: "Max10NumberFraction2" on page 2153

45.1.7.23.13.4 EngineTotalTime <NgnTtlTm>

Presence: [0..1]

Definition: Amount of time elapsed since the previous reset as determined by the vehicle monitoring system.

Expressed in hours

Datatype: "Max6NumberFraction2" on page 2153

45.1.7.23.13.5 EngineLoad <NgnLd>

Presence: [0..1]

Definition: Engine load measured as determined by the vehicle monitoring system.

Datatype: "Max12NumericText" on page 2159

45.1.7.23.13.6 EngineRPM <NgnRPM>

Presence: [0..1]

Definition: Maximum revolutions per minute experienced by the crankshaft of the vehicle engine as determined by the vehicle monitoring system.

Datatype: "Max5NumericText" on page 2166

45.1.7.23.13.7 EngineOilTemperature <NgnOilTmptr>

Presence: [0..1]

Definition: Temperature of the engine oil as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 2153

45.1.7.23.13.8 EngineOilPressure <NgnOilPrssr>

Presence: [0..1]

Definition: Pressure of the engine oil as determined by the vehicle monitoring system.

Datatype: "Max3NumericText" on page 2164

45.1.7.23.13.9 EngineOilLifeRemaining <NgnOilLifeRmng>

Presence: [0..1]

Definition: Time remaining before next oil change expressed as a percentage, as determined by the vehicle monitoring system.

Datatype: "Max3NumericText" on page 2164

45.1.7.23.13.10 CheckEngineWarningStatus <ChckNgnWrngSts>

Presence: [0..1]

Definition: Check engine status as determined by the vehicle monitoring system.

Datatype: "Max35Text" on page 2163

45.1.7.23.13.11 FuelTankLevelStart <FuelTankLvlStart>

Presence: [0..1]

Definition: Fuel tank start level reading as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 2165

45.1.7.23.13.12 FuelGaugeLevel <FuelGaugeLvl>

Presence: [0..1]

Definition: Current fuel tank gauge level reading as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 2165

45.1.7.23.13.13 FuelEconomy <FuelEcnmy>

Presence: [0..1]

Definition: Fuel economy expressed in terms of the amount of fuel consumed per unit of travel as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 2153

45.1.7.23.13.14 RefrigerationHours <RfrgrtnHrs>

Presence: [0..1]

Definition: Number of hours the refrigeration unit has been in operation.

Datatype: "Max10NumberFraction2" on page 2153

45.1.7.23.13.15 RefrigerationTemperature <RfrgrtnTmprtr>

Presence: [0..1]

Definition: Temperature of the refrigeration unit/trailer as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 2153

45.1.7.23.13.16 CoolantTemperature <CoolntTmptr>

Presence: [0..1]

Definition: Temperature of the coolant as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 2153

45.1.7.23.13.17 BatteryVoltage <BttryVltg>

Presence: [0..1]

Definition: Voltage of the vehicle battery as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 2165

45.1.7.23.13.18 HardBraking <HardBrakg>

Presence: [0..1]

Definition: Number of occurrences of hard breaking as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 2165

45.1.7.23.13.19 HardAcceleration <HardAcclrtn>

Presence: [0..1]

Definition: Number of occurrences of hard acceleration as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 2165

45.1.7.23.14 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Additional information related to the vehicle.

AdditionalData <AddtlData> contains the following **Vehicle2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1590
	EntryMode <NtryMd>	[0..1]	CodeSet		1590
	Data <Data>	[1..1]	Text		1591

45.1.7.23.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 2163

45.1.7.23.14.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 2110

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

45.1.7.23.14.3 Data <Data>

Presence: [1..1]

Definition: Information related to the vehicle.

Datatype: "Max35Text" on page 2163

45.1.7.23.15 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.23.16 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.24 InstalmentPlan1

Definition: Attributes of the instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1592
	Owner <Ownr>	[0..1]	CodeSet		1592
	OwnerName <OwnrNm>	[0..1]	Text		1593
	RegistrationSystemIdentification <RegnSysId>	[0..1]	Text		1593
	PaymentType <PmtTp>	[0..1]	Text		1593
	Deferred <Dfrd>	[0..1]	Indicator		1593
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1593
	DeferredPeriods <DfrdPrds>	[0..1]	Quantity		1594
	MonthlyInterestRate <MnthlyIntrstRate>	[0..1]	Rate		1594
	AnnualInterestRate <AnlIntrstRate>	[0..1]	Rate		1594
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1594
	FirstAmount <FrstAmt>	[0..1]	Amount		1594
	NormalPaymentAmount <NrmlPmtAmt>	[0..1]	Amount		1594
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1595
	Currency <Ccy>	[0..1]	CodeSet	C1	1595
	GracePeriodUnitType <GracePrdUnitTp>	[0..1]	CodeSet		1595
	NumberOfGracePeriodUnits <NbOfGracePrdUnits>	[0..1]	Text		1595
	CustomerSelectedGracePeriod <CstmrSelctdGracePrd>	[0..1]	Indicator		1595
	AmountDetails <AmtDtls>	[0..*]	±		1595
	GrandTotalAmount <GrdTtlAmt>	[0..1]	Amount		1596
	PrivateData <PrvtData>	[0..*]	(External Schema)		1596
	NationalData <NtlData>	[0..*]	(External Schema)		1596

45.1.7.24.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max70Text" on page 2167

45.1.7.24.2 Owner <Ownr>

Presence: [0..1]

Definition: List of plan owners. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["PlanOwner2Code" on page 2135](#)

CodeName	Name	Definition
ACCP	Acceptor	Plan owner is an acceptor.
ACQR	Acquirer	Plan owner is an acquirer.
ISSR	Issuer	Plan owner is an issuer.

45.1.7.24.3 OwnerName <OwnrNm>

Presence: [0..1]

Definition: Name of the instalment owner

Datatype: ["Max256Text" on page 2162](#)

45.1.7.24.4 RegistrationSystemIdentification <RegnSysId>

Presence: [0..1]

Definition: Contains plan registration system identifier.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.24.5 PaymentType <PmtTp>

Presence: [0..1]

Definition: Instalment payment type.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.24.6 Deferred <Dfrrd>

Presence: [0..1]

Definition: Indicate a deferred Instalment plan.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.24.7 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments.

Datatype: ["Frequency18Code" on page 2121](#)

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.

CodeName	Name	Definition
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.
TWWK	TwiceAWeek	Two times a week

45.1.7.24.8 DeferredPeriods <DfrdPrds>

Presence: [0..1]

Definition: Contains the number of period units between initiation of instalment plan and the date of required first payment.

Datatype: "Number" on page 2154

45.1.7.24.9 MonthlyInterestRate <MnthlyIntrstRate>

Presence: [0..1]

Definition: Monthly interest rate.

Datatype: "BaseOneRate" on page 2154

45.1.7.24.10 AnnualInterestRate <AnlIntrstRate>

Presence: [0..1]

Definition: Annual interest rate.

Datatype: "BaseOneRate" on page 2154

45.1.7.24.11 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 2151

45.1.7.24.12 FirstAmount <FrstAmt>

Presence: [0..1]

Definition: Amount of the first payment when different from the subsequent payments.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.24.13 NormalPaymentAmount <NrmlPmtAmt>

Presence: [0..1]

Definition: Normal payment amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.24.14 TotalNumberOfPayments <TtINbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

Datatype: "Number" on page 2154

45.1.7.24.15 Currency <Ccy>

Presence: [0..1]

Definition: Currency code associated with the instalment amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.24.16 GracePeriodUnitType <GracePrdUnitTp>

Presence: [0..1]

Definition: Grace period unit type. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "GracePeriodUnitType2Code" on page 2123

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

45.1.7.24.17 NumberOfGracePeriodUnits <NbOfGracePrdUnits>

Presence: [0..1]

Definition: Number of grace period as defined by grace period unit type.

Datatype: "Max3NumericText" on page 2164

45.1.7.24.18 CustomerSelectedGracePeriod <CstmrSelctdGracePrd>

Presence: [0..1]

Definition: Indicates a customer selected grace period

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.24.19 AmountDetails <AmtDtls>

Presence: [0..*]

Definition: Contains the amount details of an instalment plan.

AmountDetails <AmtDtls> contains the following elements (see "[InstalmentAmountData1](#)" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1398
	SubType <SubTp>	[0..1]	Text		1398
	Amount <Amt>	[1..1]	Amount		1398
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1398
	Percentage <Pctg>	[0..1]	Rate		1399

45.1.7.24.20 GrandTotalAmount <GrdTtlAmt>

Presence: [0..1]

Definition: Total amount of the instalment including charges, insurance and taxes in addition to the funded amount.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 2096

45.1.7.24.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.24.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.25 Instalment8

Definition: Data exclusively related to a card issuer financial loan of the payment transaction, or instalment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1597
	Plan <Plan>	[0..*]	±		1597

45.1.7.25.1 PaymentSequenceNumber <PmtSeqNb>

Presence: [0..1]

Definition: Indicates the occurrence of a single instalment payment within a series of instalment payments.

Datatype: "Number" on page 2154

45.1.7.25.2 Plan <Plan>

Presence: [0..*]

Definition: Attributes of the instalment plan.

Plan <Plan> contains the following elements (see "InstalmentPlan1" on page 1592 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1592
	Owner <Ownr>	[0..1]	CodeSet		1592
	OwnerName <OwnrNm>	[0..1]	Text		1593
	RegistrationSystemIdentification <RegnSysId>	[0..1]	Text		1593
	PaymentType <PmtTp>	[0..1]	Text		1593
	Deferred <Dfrd>	[0..1]	Indicator		1593
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1593
	DeferredPeriods <DfrdPrds>	[0..1]	Quantity		1594
	MonthlyInterestRate <MnthlyIntrstRate>	[0..1]	Rate		1594
	AnnualInterestRate <AnlIntrstRate>	[0..1]	Rate		1594
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1594
	FirstAmount <FrstAmt>	[0..1]	Amount		1594
	NormalPaymentAmount <NrmlPmtAmt>	[0..1]	Amount		1594
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1595
	Currency <Ccy>	[0..1]	CodeSet	C1	1595
	GracePeriodUnitType <GracePrdUnitTp>	[0..1]	CodeSet		1595
	NumberOfGracePeriodUnits <NbOfGracePrdUnits>	[0..1]	Text		1595
	CustomerSelectedGracePeriod <CstmrSelctdGracePrd>	[0..1]	Indicator		1595
	AmountDetails <AmtDtls>	[0..*]	±		1595
	GrandTotalAmount <GrdTtlAmt>	[0..1]	Amount		1596
	PrivateData <PrvtData>	[0..*]	(External Schema)		1596
	NationalData <NtlData>	[0..*]	(External Schema)		1596

45.1.7.26 ErrorDetails4

Definition: Details of the error

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ErrorCode <ErrCd>	[1..1]	CodeSet		1599
	SeverityCode <svrtyCd>	[0..1]	Text		1599
	Description <Desc>	[0..1]	Text		1599
	DataElementInError <DataElmtInErr>	[0..*]	Text		1599

45.1.7.26.1 ErrorCode <ErrCd>

Presence: [1..1]

Definition: Code list containing a code that identifies the error condition. such as missing data or non-numeric dataae (ISO 8583, Message error codes)

Datatype: "ISO8583MessageErrorCode" on page 2126

45.1.7.26.2 SeverityCode <svrtyCd>

Presence: [0..1]

Definition: Code that identifies the severity of the errors found in the message. Shall contain a value of 00 to denote a rejected message. Additional values may be set by bilateral agreement to denote a message that was accepted and processed but contained invalid data in non-critical elements

Datatype: "Max2NumericText" on page 2162

45.1.7.26.3 Description <Desc>

Presence: [0..1]

Definition: Description of the error found.

Datatype: "Max500Text" on page 2166

45.1.7.26.4 DataElementInError <DataElmtInErr>

Presence: [0..*]

Definition: Data element in error.

Datatype: "Max4000Text" on page 2164

45.1.7.27 Context28

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1601
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1602
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1602
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1602
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1603
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1603
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1603
	CardPresent <CardPres>	[0..1]	Indicator		1603
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1603
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1603
	TransponderInitiated <TrnspondrInittd>	[0..1]	Indicator		1604
	Transit <Trnst>	[0..1]	Indicator		1604
	Attended <Atndd>	[0..1]	Indicator		1604
	UnattendedLevelCategory <UatnddLvlCtgy>	[0..1]	Text		1605
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1605
	ECommerce <EComrc>	[0..1]	Indicator		1605
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1605
	ECommerceData <EComrcData>	[0..*]			1605
	Type <Tp>	[1..1]	Text		1605
	Value <Val>	[1..1]	Text		1606
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1606
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1606
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1606
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1606
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1607
	NoShow <NoShow>	[0..1]	Indicator		1607
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1607
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1607
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1607
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1608
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1608

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1608
	SplitPayment <Spltpmt>	[0..1]	Indicator		1608
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1609
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1609
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1610
	StorageLocation <StorgLctn>	[0..1]	Text		1610
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1610
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1610
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1611
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1611
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1611
	MagneticStripeFallback <MgntcStrpFllbck>	[0..1]	Indicator		1611
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1612
	CaptureDate <CaptrDt>	[0..1]	Date		1612
	DateAnticipated <DtAntcptd>	[0..1]	Date		1612
	PrivateData <PrvtData>	[0..*]	(External Schema)		1612
	NationalData <NtlData>	[0..*]	(External Schema)		1612

45.1.7.27.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode of the card data for the transaction

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

CodeName	Name	Definition
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.7.27.2 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 2163

45.1.7.27.3 QRCodePresentmentMode <QRcdPresntmntMd>

Presence: [0..1]

Definition: Method used to present a QR Code at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "QRCodePresentmentMode2Code" on page 2138

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.1.7.27.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.27.5 MerchantCategorySpecificData <MrchntCtgySpcfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.27.6 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.27.7 POSConditionCode <POSCondCd>

Presence: [0..1]

Definition: A code identifying transaction conditions at the point-of-sale or point of service.

Datatype: "ISO8583POSConditionCode" on page 2127

45.1.7.27.8 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

True: Card physically present during the transaction

False: Card physically absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.9 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

True: Cardholder present during the transaction

False: Cardholder absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.10 CardholderActivated <CrdhldrActvtd>

Presence: [0..1]

Definition: Indicates whether the automated device was operated solely by the cardholder or not (for example, vending machine, automated fuel dispenser, ATM, kiosk, etc.).

True: Device operated solely by the cardholder

False: Device not operated solely by the cardholder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.11 TransponderInitiated <TrnspndrInittdd>

Presence: [0..1]

Definition: Transaction initiated through a transponder or not.

True: Transaction initiated through a transponder.

False: Transaction not initiated through a transponder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.12 Transit <Trnst>

Presence: [0..1]

Definition: Indicates a transit transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.13 Attended <Attnddd>

Presence: [0..1]

Definition: Card acceptor representative in attendance at the point of service during the transaction.

When an acceptor's terminal is semi-attended (for example, multiple terminals supervised by a single clerk), it will be identified as 'attended'.

True: Attended transaction at the terminal

False: Non-attended transaction at the terminal

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.14 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: "Max35NumericText" on page 2163

45.1.7.27.15 ECommerceIndicatorProposed <EComrcIndPropsd>

Presence: [0..1]

Definition: Contains the proposed level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.27.16 ECommerce <EComrc>

Presence: [0..1]

Definition: Indicates whether the point of service is an e-commerce one or not:

True: e-commerce

False: non e-commerce

Default: False

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.17 ECommerceIndicatorApplied <EComrcIndApld>

Presence: [0..1]

Definition: Contains the applied level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.27.18 ECommerceData <EComrcData>

Presence: [0..*]

Definition: Contains electronic commerce data.

ECommerceData <EComrcData> contains the following **ECommerceData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1605
	Value <Val>	[1..1]	Text		1606

45.1.7.27.18.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 2163

45.1.7.27.18.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 2161

45.1.7.27.19 MOTOCd <MOTOCd>

Presence: [0..1]

Definition: A code that identifies the type of MOTO transaction.

Datatype: "MOTO2Code" on page 2132

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.1.7.27.20 FinalAuthorisation <FnIAuthstn>

Presence: [0..1]

Definition: Identifies final authorisation messages for the purpose of managing open-to buy or available balance.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.21 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Notifies the express consent of the customer for a given service (used in DCC, funds transfers, money lending, etc.).

True: Explicit customer consent obtained

False: Implicit customer consent obtained

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.22 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 2145

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.27.23 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.24 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.25 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.26 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.27 DelayedAuthorisation <DelydAuthstn>

Presence: [0..1]

Definition: Indicates whether the authorisation was delayed due to an on-board initiated transaction.

True: The authorisation was delayed

False: The authorisation was not delayed

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.28 LatePresentment <LatePresntmnt>

Presence: [0..1]

Definition: Indicates a late presentment as defined by each specific implementation.

True: Transaction was presented late

False: Transaction was not presented late

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.29 DeferredDelivery <DfrddDlvry>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deferred.

Default: False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.30 PartialShipment <PrtlShpmt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.31 SplitPayment <Spltpmt>

Presence: [0..1]

Definition: Also referred to as split tender. Indicates whether the payment transaction is a partial payment of the sale transaction.

True: Partial payment of a sale transaction

False: Not a partial payment of a sale transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.32 PartialApprovalSupported <PrtlApprvlSpprtd>

Presence: [0..1]

Definition: Indicates whether the point of service supports partial approval or not.

True: partial approval is supported

False: partial approval is not supported

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.33 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SecurityCharacteristics2Code"](#) on page 2141

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network

CodeName	Name	Definition
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.1.7.27.34 TemporarySecureCardDataReused <TempScrCardDataReusd>

Presence: [0..1]

Definition: Terminal has reused temporary secure stored card data.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.35 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: ["Max35Text"](#) on page 2163

45.1.7.27.36 PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>

Presence: [0..1]

Definition: Indicates the relationship between payment credential and merchant.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.37 PINPadInoperable <PINPadInprbl>

Presence: [0..1]

Definition: PIN pad is inoperable.

Default: False - PIN pad is operable.

True: PIN pad is inoperable.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.38 PINEntryBypass <PINNtryBpss>

Presence: [0..1]

Definition: Indicate the PIN entry bypass.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.39 ICCFallback <ICCFilbck>

Presence: [0..1]

Definition: Indicates a chip data fallback.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.40 ICCFallbackReasonCode <ICCFilbckRsnCd>

Presence: [0..1]

Definition: A code that provides the reason of ICC fallback. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["ICCFallbackReason2Code" on page 2123](#)

CodeName	Name	Definition
CIIA	ChoosingIncorrectICApplication	Choosing incorrect IC application.
EDIP	ErrorDuringICAppProcessing.	Error during IC app processing.
TERI	TerminalErrorReadingICData	Terminal error reading IC data.

45.1.7.27.41 MagneticStripeFallback <MgntcStrpFilbck>

Presence: [0..1]

Definition: Indicates a magnetic stripe fallback.

True: Fallback

False: No fallback

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.42 AuthenticationOutage <AuthntcnOutg>

Presence: [0..1]

Definition: Indicates that the consumer authentication process is temporarily unavailable in the acceptance, acquirer or agent environment for this request. It does not indicate an outage in the issuer processing domain (including agents acting on behalf of the issuer).

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.27.43 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

Datatype: ["ISODate" on page 2151](#)

45.1.7.27.44 DateAnticipated <DtAntcptd>

Presence: [0..1]

Definition: The date on which the sale or purchase is expected to occur.

Datatype: ["ISODate" on page 2151](#)

45.1.7.27.45 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.27.46 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.28 Lodging⁵

Definition: Lodging provides summary information about lodging accommodations and related expenses for the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FolioNumber <FolioNb>	[0..1]	Text		1615
	PropertyType <PrprtyTp>	[0..1]	CodeSet		1615
	PrestigiousProperty <PrstgsPrprty>	[0..1]	Text		1616
	PropertyName <PrprtyNm>	[0..1]	Text		1616
	PropertyIdentification <PrprtyId>	[0..1]	Text		1616
	PropertyBusinessName <PrprtyBizNm>	[0..1]	Text		1616
	PropertyLegalCorporateName <PrprtyLglCorpNm>	[0..1]	Text		1616
	PropertyAddress <PrprtyAdr>	[0..1]	±		1616
	PropertyLocationCode <PrprtyLctnCd>	[0..1]	Text		1617
	PropertyLocalTimeZone <PrprtyLclTmZone>	[0..1]	Text		1617
	PropertyLocalData <PrprtyLclData>	[0..*]	±		1617
	PropertyLocalCurrency <PrprtyLclCcy>	[0..1]	CodeSet	C1	1618
	PropertyContact <PrprtyCtct>	[0..1]			1618
	Name <Nm>	[0..1]	Text		1619
	GivenName <GvnNm>	[0..1]	Text		1619
	MiddleName <MddlNm>	[0..1]	Text		1619
	LastName <LastNm>	[0..1]	Text		1619
	Phone <Phne>	[0..1]	Text		1619
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1620
	TollFreePhone <TollFreePhne>	[0..1]	Text		1620
	Email <Email>	[0..1]	Text		1620
	Fax <Fax>	[0..1]	Text		1620
	URL <URL>	[0..1]	Text		1620
	Language <Lang>	[0..1]	CodeSet		1620
	PropertyFireSafetyAct <PrprtyFireSftyAct>	[0..1]	Indicator		1620
	Customer <Cstmr>	[0..*]	±		1621
	NumberOfRooms <NbOfRooms>	[0..1]	Text		1621
	Room <Room>	[0..*]	±		1621
	Duration <Drtn>	[0..1]	Text		1621
	Arrival <Arrvl>	[0..1]	±		1622
	Departure <Dprturt>	[0..1]	±		1622

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NoShow <NoShow>	[0..1]	Indicator		1622
	Insurance <Insrnc>	[0..1]	Indicator		1622
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1623
	TotalTax <TtlTax>	[0..*]			1623
	Type <Tp>	[1..1]	CodeSet		1623
	Description <Desc>	[0..1]	Text		1629
	Exemption <Xmptn>	[0..1]	Indicator		1629
	ExemptReason <XmptRsn>	[0..1]	Text		1629
	Amount <Amt>	[1..1]	Amount		1629
	Rate <Rate>	[0..1]	Rate		1629
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1629
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1630
	TotalAmount <TtlAmt>	[0..1]	Amount		1630
	AuthorisedAmount <AuthrsdAmt>	[0..*]	±		1630
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1630
	LoyaltyProgramme <LtyPrgrmm>	[0..*]	±		1630
	PrivateData <PrvtData>	[0..*]	(External Schema)		1631
	NationalData <NtlData>	[0..*]	(External Schema)		1631
	LineItem <Lineitm>	[0..*]	±		1631

45.1.7.28.1 FolioNumber <FolioNb>

Presence: [0..1]

Definition: Contains the lodging company's invoice or billing ID reference number, referred to as a folio number.

Datatype: "Max35Text" on page 2163

45.1.7.28.2 PropertyType <PrprtyTp>

Presence: [0..1]

Definition: Type of accommodations. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "LodgingActivity2Code" on page 2130

CodeName	Name	Definition
APTM	Apartment	Apartment residence.
BEBR	BedAndBreakfast	Bed and breakfast or related lodging.

CodeName	Name	Definition
COTT	Cottage	Cottage and related lodging.
CRUI	Cruise	Cruise line lodging.
HOME	Home	An individual offering lodging facilities.
HOST	Hostel	Hostel or related lodging.
HOTL	Hotel	Hotel or related lodging.
LODG	Lodge	Lodge or related lodging.
MOTL	Motel	Motel or related lodging.
RESO	Resort	Resort or related lodging.
ROAB	RoomAndBoard	Room and board or related lodging.
TOSH	TouristShelter	Tourist shelter and related lodging.

45.1.7.28.3 PrestigiousProperty <PrstgsPrprty>

Presence: [0..1]

Definition: Identifier that describes the lodging establishment as a prestigious property.

Datatype: "Max35Text" on page 2163

45.1.7.28.4 PropertyName <PrprtyNm>

Presence: [0..1]

Definition: Name of the property.

Datatype: "Max35Text" on page 2163

45.1.7.28.5 PropertyIdentification <Prprtyld>

Presence: [0..1]

Definition: Identification of the property.

Datatype: "Max35Text" on page 2163

45.1.7.28.6 PropertyBusinessName <PrprtyBizNm>

Presence: [0..1]

Definition: Business name of the property.

Datatype: "Max35Text" on page 2163

45.1.7.28.7 PropertyLegalCorporateName <PrprtyLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the property.

Datatype: "Max99Text" on page 2168

45.1.7.28.8 PropertyAddress <PrprtyAdr>

Presence: [0..1]

Definition: Address of the property.

PropertyAddress <PrprtyAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.28.9 PropertyLocationCode <PrprtyLctnCd>

Presence: [0..1]

Definition: Contains the property location code.

Datatype: "Max35Text" on page 2163

45.1.7.28.10 PropertyLocalTimeZone <PrprtyLclTmZone>

Presence: [0..1]

Definition: Local time zone of the property.

Datatype: "Max70Text" on page 2167

45.1.7.28.11 PropertyLocalData <PrprtyLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of property data.

PropertyLocalData <PrprtyLclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.28.12 PropertyLocalCurrency <PrprtyLclCcy>

Presence: [0..1]

Definition: Local currency of the property.

Impacted by: [C1 "ValidationByTable"](#)

Datatype: "[ISO3NumericCurrencyCode](#)" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.28.13 PropertyContact <PrprtyCtct>

Presence: [0..1]

Definition: Contact details at property.

PropertyContact <PrprtyCtct> contains the following **ContactBusiness1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1619
	GivenName <GvnNm>	[0..1]	Text		1619
	MiddleName <MddlNm>	[0..1]	Text		1619
	LastName <LastNm>	[0..1]	Text		1619
	Phone <Phne>	[0..1]	Text		1619
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1620
	TollFreePhone <TollFreePhne>	[0..1]	Text		1620
	Email <Email>	[0..1]	Text		1620
	Fax <Fax>	[0..1]	Text		1620
	URL <URL>	[0..1]	Text		1620
	Language <Lang>	[0..1]	CodeSet		1620

45.1.7.28.13.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max70Text" on page 2167

45.1.7.28.13.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.28.13.3 MiddleName <MddlNm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.7.28.13.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.28.13.5 Phone <Phne>

Presence: [0..1]

Definition: Main phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.28.13.6 PropertyPhone <PrprtyPhne>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.28.13.7 TollFreePhone <TollFreePhne>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.28.13.8 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.28.13.9 Fax <Fax>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.28.13.10 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.7.28.13.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 2124

45.1.7.28.14 PropertyFireSafetyAct <PrprtyFireSftyAct>

Presence: [0..1]

Definition: Indicates whether or not the lodging facility complies with the US Hotel and Motel Fire Safety Act of 1990 (PL101-391) or similar legislation.

True = in compliance

False = not in compliance

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.28.15 Customer <Cstmr>

Presence: [0..*]

Definition: Name of the customer.

Customer <Cstmr> contains the following elements (see "[Customer10](#)" on page 1977 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1978
	GivenName <GvnNm>	[0..1]	Text		1978
	MiddleName <MddlNm>	[0..1]	Text		1978
	LastName <LastNm>	[0..1]	Text		1978
	Identification <Id>	[0..1]	±		1978
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1979
	Age <Age>	[0..1]	Text		1979
	Address <Adr>	[0..1]	±		1979
	Contact <Ctct>	[0..1]	±		1980

45.1.7.28.16 NumberOfRooms <NbOfRooms>

Presence: [0..1]

Definition: Number of rooms within the reservation.

Datatype: "[Max4NumericText](#)" on page 2165

45.1.7.28.17 Room <Room>

Presence: [0..*]

Definition: Contains the room details.

Room <Room> contains the following elements (see "[LodgingRoom2](#)" on page 1860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1860
	Location <Lctn>	[0..1]	Text		1860
	BedType <BedTp>	[0..1]	Text		1861
	Guests <Gsts>	[0..1]	Text		1861
	Adults <Adlts>	[0..1]	Text		1861
	Children <Chldrn>	[0..1]	Text		1861
	DailyRate <DalyRate>	[0..1]	Amount		1861

45.1.7.28.18 Duration <Drtn>

Presence: [0..1]

Definition: Duration of stay in days.

Datatype: "Max4NumericText" on page 2165

45.1.7.28.19 Arrival <Arrvl>

Presence: [0..1]

Definition: Lodging transaction details.

Arrival <Arrvl> contains the following elements (see "DepartureOrArrival2" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CarrierCode <CrrierCd>	[0..1]	Text		1446
	RouteNumber <RouteNb>	[0..1]	Text		1446
	Date <Dt>	[0..1]	Date		1446
	Time <Tm>	[0..1]	Time		1446

45.1.7.28.20 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure details.

Departure <Dprture> contains the following elements (see "DepartureOrArrival1" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1447
	Description <Desc>	[0..1]	Text		1447
	Date <Dt>	[0..1]	Date		1447
	Time <Tm>	[0..1]	Time		1447

45.1.7.28.21 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.28.22 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.28.23 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Amount of insurance.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.28.24 TotalTax <TtlTax>

Presence: [0..*]

Definition: Taxes related to the products or services.

TotalTax <TtlTax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1623
	Description <Desc>	[0..1]	Text		1629
	Exemption <Xmptn>	[0..1]	Indicator		1629
	ExemptReason <XmptRsn>	[0..1]	Text		1629
	Amount <Amt>	[1..1]	Amount		1629
	Rate <Rate>	[0..1]	Rate		1629
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1629
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1630

45.1.7.28.24.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.

CodeName	Name	Definition
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.

CodeName	Name	Definition
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.

CodeName	Name	Definition
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.

CodeName	Name	Definition
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax

CodeName	Name	Definition
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.

CodeName	Name	Definition
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.28.24.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.28.24.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.28.24.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.28.24.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.28.24.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.28.24.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.28.24.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.28.25 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Contains the total amount of lodging expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.28.26 AuthorisedAmount <AuthrsdAmt>

Presence: [0..*]

Definition: Contains Authorised amount details.

AuthorisedAmount <AuthrsdAmt> contains the following elements (see "AuthorisedAmount2" on page 1392 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1393
	Time <Tm>	[0..1]	Time		1393
	Amount <Amt>	[1..1]	Amount		1393
	Description <Desc>	[0..1]	Text		1393

45.1.7.28.27 SummaryCommodityIdentification <SummryCmmdtyld>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.28.28 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "[LoyaltyProgramme4](#)" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1445

45.1.7.28.29 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.28.30 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.28.31 Lineltem <Lineltm>

Presence: [0..*]

Definition: Component provides detailed information about lodging accommodations and related expenses for the cardholder. Acquirers can submit multiple occurrences of this component for each lodging transaction, to provide details of one or more folios.

LinItem <LinItem> contains the following elements (see "[LodgingLinItem4](#)" on page 1494 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1495
	Time <Tm>	[0..1]	Time		1495
	Type <Tp>	[0..1]	CodeSet		1495
	OtherType <OthrTp>	[0..1]	Text		1496
	PostCheckOut <PstChckOut>	[0..1]	Indicator		1496
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1496
	UnitAmount <UnitAmt>	[0..1]	Amount		1496
	Duration <Drtn>	[0..1]	Text		1496
	SubTotalAmount <SubTtlAmt>	[0..1]	Amount		1496
	Tax <Tax>	[0..*]			1497
	Type <Tp>	[1..1]	CodeSet		1497
	Description <Desc>	[0..1]	Text		1502
	Exemption <Xmptn>	[0..1]	Indicator		1503
	ExemptReason <XmptRsn>	[0..1]	Text		1503
	Amount <Amt>	[1..1]	Amount		1503
	Rate <Rate>	[0..1]	Rate		1503
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1503
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1503
	PrivateData <PrvtData>	[0..*]	(External Schema)		1504
	NationalData <NtlData>	[0..*]	(External Schema)		1504

45.1.7.29 VehicleRentalService4

Definition: Vehicle rental service provides detailed vehicle rental information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyName <CpnyNm>	[0..1]	Text		1634
	CompanyIdentification <CpnyId>	[0..1]	Text		1634
	CompanyBusinessName <CpnyBizNm>	[0..1]	Text		1635
	CompanyLegalCorporateName <CpnyLglCorpNm>	[0..1]	Text		1635
	CompanyAddress <CpnyAdr>	[0..1]	±		1635
	CompanyLocalData <CpnyLclData>	[0..*]	±		1635
	CompanyContact <CpnyCtct>	[0..1]	±		1636
	CompanyType <CpnyTp>	[0..1]	CodeSet		1636
	RenterName <RntrNm>	[1..1]	Text		1637
	RenterCorporateName <RntrCorpNm>	[0..1]	Text		1637
	RenterCorporateIdentifier <RntrCorpldr>	[1..1]	Text		1637
	RenterCorporateIdentifierAssigner <RntrCorpldrAssgnr>	[0..1]	CodeSet		1637
	PrimaryDriver <PmryDrvr>	[0..1]	±		1637
	AdditionalDriver <AddtlDrvr>	[0..*]	±		1638
	LoyaltyProgramme <LtyPrgrmm>	[0..*]	±		1639
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1640
	NoShow <NoShow>	[0..1]	Indicator		1640
	RentalAgreementNumber <RntlAgrmtNb>	[0..1]	Text		1640
	RentalLocation <RntlLctn>	[0..1]	±		1640
	Adjusted <Adjstd>	[0..1]	Indicator		1641
	PickupLocation <PckpLctn>	[0..*]	±		1641
	CheckOutDate <ChckOutDt>	[0..1]	Date		1641
	CheckOutTime <ChckOutTm>	[0..1]	Time		1641
	ReturnLocation <RtrLctn>	[0..1]	±		1642
	CheckInDate <ChckInDt>	[0..1]	Date		1642
	CheckInTime <ChckInTm>	[0..1]	Time		1642
	Duration <Drtn>	[0..1]	Text		1642
	ClassInvoiced <ClssInvcd>	[0..1]	Text		1642
	MakeInvoiced <MakInvcd>	[0..1]	Text		1643
	ModelInvoiced <MdllInvcd>	[0..1]	Text		1643
	RegistrationNumberInvoiced <RegnNbInvcd>	[0..1]	Text		1643

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClassProvided <ClssPrvdd>	[0..1]	Text		1643
	MakeProvided <MakePrvdd>	[0..1]	Text		1643
	ModelProvided <MdIPrvdd>	[0..1]	Text		1643
	RegistrationNumberProvided <RegnNbPrvdd>	[0..1]	Text		1643
	DistanceUnit <DstncUnit>	[0..1]	CodeSet		1643
	OdometerStart <OdmtrStart>	[0..1]	Text		1644
	OdometerReturn <OdmtrRtr>	[0..1]	Text		1644
	TotalDistance <TtlDstnc>	[0..1]	Text		1644
	FreeDistance <FreeDstnc>	[0..1]	Text		1644
	DistanceRate <DstncRate>	[0..1]	Amount		1644
	RentalRate <RntlRate>	[0..*]	±		1644
	Insurance <Insrnc>	[0..1]	Indicator		1645
	AdditionalAmount <AddtlAmt>	[0..*]	±		1645
	Tax <Tax>	[0..*]			1645
	Type <Tp>	[1..1]	CodeSet		1646
	Description <Desc>	[0..1]	Text		1651
	Exemption <Xmptn>	[0..1]	Indicator		1651
	ExemptReason <XmptRsn>	[0..1]	Text		1652
	Amount <Amt>	[1..1]	Amount		1652
	Rate <Rate>	[0..1]	Rate		1652
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1652
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1652
	PrivateData <PrvtData>	[0..*]	(External Schema)		1652
	NationalData <NtlData>	[0..*]	(External Schema)		1653

45.1.7.29.1 CompanyName <CpnyNm>

Presence: [0..1]

Definition: Name of the vehicle rental company.

Datatype: "Max70Text" on page 2167

45.1.7.29.2 CompanyIdentification <CpnyId>

Presence: [0..1]

Definition: Identification of the vehicle rental company.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.29.3 CompanyBusinessName <CpnyBizNm>

Presence: [0..1]

Definition: Business name of the vehicle rental company.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.29.4 CompanyLegalCorporateName <CpnyLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the vehicle rental company.

Datatype: ["Max99Text" on page 2168](#)

45.1.7.29.5 CompanyAddress <CpnyAdr>

Presence: [0..1]

Definition: Address of the vehicle rental company.

CompanyAddress <CpnyAdr> contains the following elements (see ["Address4" on page 1389](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.29.6 CompanyLocalData <CpnyLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of the vehicle rental company data.

CompanyLocalData <CpnyLclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.29.7 CompanyContact <CpnyCtct>

Presence: [0..1]

Definition: Contact details at vehicle rental company location.

CompanyContact <CpnyCtct> contains the following elements (see "[ContactBusiness2](#)" on page 1982 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1983
	GivenName <GvnNm>	[0..1]	Text		1983
	MiddleName <MddlNm>	[0..1]	Text		1983
	LastName <LastNm>	[0..1]	Text		1983
	Phone <Phne>	[0..1]	Text		1983
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1984
	TollFreePhone <TollFreePhne>	[0..1]	Text		1984
	Email <Email>	[0..1]	Text		1984
	Fax <Fax>	[0..1]	Text		1984
	URL <URL>	[0..1]	Text		1984
	Language <Lang>	[0..1]	CodeSet		1984

45.1.7.29.8 CompanyType <CpnyTp>

Presence: [0..1]

Definition: Type of vehicle rental activity.

Datatype: "[CarRentalActivity2Code](#)" on page 2112

CodeName	Name	Definition
CARS	CarSharing	Company specialised in car sharing activities.
GLBL	Global	Global car rental activities.
INDV	Individual	Individual renting a car.
PETP	PeerToPeer	Peer to peer car rental activities.
OTHR	Other	Other type of car rental activity.

45.1.7.29.9 RenterName <RntrNm>

Presence: [1..1]

Definition: Name of the vehicle rental customer.

Datatype: "Max105Text" on page 2157

45.1.7.29.10 RenterCorporateName <RntrCorpNm>

Presence: [0..1]

Definition: Corporate name of the vehicle rental customer.

Datatype: "Max70Text" on page 2167

45.1.7.29.11 RenterCorporateldentifier <RntrCorpldr>

Presence: [1..1]

Definition: Corporate identifier of the vehicle rental customer.

Datatype: "Max35Text" on page 2163

45.1.7.29.12 RenterCorporateldentifierAssigner <RntrCorpldrAssgnr>

Presence: [0..1]

Definition: Party assigning an identification to a vehicle rental customer.

Datatype: "CustomerAssigner1Code" on page 2114

CodeName	Name	Definition
AUTH	Authority	Legal authority assigning an identification.
CRCY	Company	Company assigning an identification to a customer.
CUST	Customer	Company for which the customer is on duty.
ONFL	OnFile	On file identification.
OTHR	Other	Other party assigning an identification.
TRAY	TravelAgency	Travel agency assigning an identification.

45.1.7.29.13 PrimaryDriver <PmryDrvr>

Presence: [0..1]

Definition: Vehicle rental driver.

PrimaryDriver <PmryDrvr> contains the following elements (see "DriverInParty4" on page 1972 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1973
	GivenName <GvnNm>	[0..1]	Text		1973
	MiddleName <MddlNm>	[0..1]	Text		1973
	LastName <LastNm>	[0..1]	Text		1974
	Address <Adr>	[0..1]	±		1974
	Contact <Ctct>	[0..1]	±		1974
	DateOfBirth <DtOfBirth>	[0..1]	Date		1975
	Age <Age>	[0..1]	Text		1975
	DriverCredential <DrvrCrdntl>	[0..*]	±		1975
	LicenseType <LicTp>	[0..1]	Text		1976
	LicenseForm <LicForm>	[0..1]	CodeSet		1976
	LicenceIdentification <LicId>	[0..1]	Text		1976
	LicenseAssigner <LicAssgnr>	[0..1]	CodeSet		1976
	LicenceIssuanceDate <LicIssncDt>	[0..1]	Date		1977
	LicenseExpirationDate <LicXprtnDt>	[0..1]	Date		1977
	LicenseCountry <LicCtry>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>	[0..1]	CodeSet		1977
	LicenseOtherAuthority <LicOthrAuthrty>	[0..1]	Text		1977

45.1.7.29.14 AdditionalDriver <AddtlDrvr>

Presence: [0..*]

Definition: Type of identification of the additional vehicle rental customer.

AdditionalDriver <AddtlDrvr> contains the following elements (see "[DriverInParty4](#)" on page 1972 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1973
	GivenName <GvnNm>	[0..1]	Text		1973
	MiddleName <MddlNm>	[0..1]	Text		1973
	LastName <LastNm>	[0..1]	Text		1974
	Address <Adr>	[0..1]	±		1974
	Contact <Ctct>	[0..1]	±		1974
	DateOfBirth <DtOfBirth>	[0..1]	Date		1975
	Age <Age>	[0..1]	Text		1975
	DriverCredential <DrvrCrdntl>	[0..*]	±		1975
	LicenseType <LicTp>	[0..1]	Text		1976
	LicenseForm <LicForm>	[0..1]	CodeSet		1976
	LicenceIdentification <LicId>	[0..1]	Text		1976
	LicenseAssigner <LicAssgnr>	[0..1]	CodeSet		1976
	LicenceIssuanceDate <LicIssncDt>	[0..1]	Date		1977
	LicenseExpirationDate <LicXprtnDt>	[0..1]	Date		1977
	LicenseCountry <LicCtry>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>	[0..1]	CodeSet		1977
	LicenseOtherAuthority <LicOthrAuthrty>	[0..1]	Text		1977

45.1.7.29.15 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme of car rental applied.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "[LoyaltyProgramme4](#)" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <PtcpItld>	[0..1]	Text		1445

45.1.7.29.16 SummaryCommodityIdentification <SummryCmmdtyld>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.29.17 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to pick up the vehicle and was therefore charged a no-show fee; vehicle was not actually rented.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.29.18 RentalAgreementNumber <RntlAgrmtNb>

Presence: [0..1]

Definition: Contains the original vehicle rental agreement, invoice or contract number.

Datatype: "Max35Text" on page 2163

45.1.7.29.19 RentalLocation <RntlLctn>

Presence: [0..1]

Definition: Contains the vehicle rental location.

RentalLocation <RntlLctn> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.29.20 Adjusted <Adjstd>

Presence: [0..1]

Definition: Indicates that an adjustment was made to a vehicle rental charge (for example, additional charges added).

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.29.21 PickupLocation <PckpLctn>

Presence: [0..*]

Definition: Used when different than rental location

PickupLocation <PckpLctn> contains the following elements (see ["Address4"](#) on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.29.22 CheckOutDate <ChckOutDt>

Presence: [0..1]

Definition: Date the vehicle was picked-up by the customer. In the case of a no-show transaction or a prepaid transaction, this contains the scheduled pickup date.

Datatype: ["ISODate"](#) on page 2151

45.1.7.29.23 CheckOutTime <ChckOutTm>

Presence: [0..1]

Definition: Time the vehicle was picked-up by the customer. In the case of a no-show transaction or a prepaid transaction, this contains the scheduled pickup time.

Datatype: ["ISOTime" on page 2169](#)

45.1.7.29.24 ReturnLocation <RtrLctn>

Presence: [0..1]

Definition: Location to which vehicle was returned.

ReturnLocation <RtrLctn> contains the following elements (see ["Address4" on page 1389](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.29.25 CheckInDate <ChckInDt>

Presence: [0..1]

Definition: Date when the vehicle was returned to the rental agency.

Datatype: ["ISODate" on page 2151](#)

45.1.7.29.26 CheckInTime <ChckInTm>

Presence: [0..1]

Definition: Time when the vehicle was returned to the rental agency.

Datatype: ["ISOTime" on page 2169](#)

45.1.7.29.27 Duration <Drtn>

Presence: [0..1]

Definition: Duration of rental in days.

Datatype: ["Max4NumericText" on page 2165](#)

45.1.7.29.28 ClassInvoiced <ClssInvcd>

Presence: [0..1]

Definition: Contains the classification of the vehicle (for example, economy, intermediate, luxury, etc.) on invoice

Datatype: "Max35Text" on page 2163

45.1.7.29.29 MakeInvoiced <MakeInvcd>

Presence: [0..1]

Definition: Brand or manufacturer of the vehicle on invoice.

Datatype: "Max35NumericText" on page 2163

45.1.7.29.30 ModelInvoiced <MdIInvcd>

Presence: [0..1]

Definition: Product line of vehicle within the make on invoice.

Datatype: "Max35NumericText" on page 2163

45.1.7.29.31 RegistrationNumberInvoiced <RegnNbInvcd>

Presence: [0..1]

Definition: Registration number of vehicle on invoice.

Datatype: "Max35Text" on page 2163

45.1.7.29.32 ClassProvided <ClssPrvdd>

Presence: [0..1]

Definition: Contains the classification of the provide vehicle (for example, economy, intermediate, luxury, etc.)

Datatype: "Max35Text" on page 2163

45.1.7.29.33 MakeProvided <MakePrvdd>

Presence: [0..1]

Definition: Brand or manufacturer of the provided vehicle.

Datatype: "Max35NumericText" on page 2163

45.1.7.29.34 ModelProvided <MdIPrvdd>

Presence: [0..1]

Definition: Product line of provided vehicle within the make.

Datatype: "Max35NumericText" on page 2163

45.1.7.29.35 RegistrationNumberProvided <RegnNbPrvdd>

Presence: [0..1]

Definition: Registration number of the provided vehicle.

Datatype: "Max35Text" on page 2163

45.1.7.29.36 DistanceUnit <DstncUnit>

Presence: [0..1]

Definition: Unit of measure used to compute the distance.

Datatype: "UnitOfMeasure10Code" on page 2147

CodeName	Name	Definition
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
MILE	Mile	Unit of length equal to 1, 760 yards.

45.1.7.29.37 OdometerStart <OdmtrStart>

Presence: [0..1]

Definition: Odometer reading at start of rental (at the time of vehicle check-out).

Datatype: "Max10NumericText" on page 2158

45.1.7.29.38 OdometerReturn <OdmtrRtr>

Presence: [0..1]

Definition: Odometer reading at return of rental (at the time of vehicle check-in).

Datatype: "Max10NumericText" on page 2158

45.1.7.29.39 TotalDistance <TtlDstnc>

Presence: [0..1]

Definition: Total distance expressed in unit of measure.

Datatype: "Max10NumericText" on page 2158

45.1.7.29.40 FreeDistance <FreeDstnc>

Presence: [0..1]

Definition: Maximum free miles or kilometres for the car rental period.

Datatype: "Max10NumericText" on page 2158

45.1.7.29.41 DistanceRate <DstncRate>

Presence: [0..1]

Definition: Defines the rate in relation to a specific distance.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.29.42 RentalRate <RntlRate>

Presence: [0..*]

Definition: Vehicle rental rate.

RentalRate <RntlRate> contains the following elements (see "[RentalRate3](#)" on page 2005 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Period <Prd>	[0..1]	CodeSet		2005
	Rate <Rate>	[0..1]	Amount		2005
	PeriodCount <PrdCnt>	[0..1]	Text		2005

45.1.7.29.43 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.29.44 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Contains the details of additional amount for a specific vehicle rental service type.

AdditionalAmount <AddtlAmt> contains the following elements (see "[VehicleRentalAdditionalAmount1](#)" on page 1784 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1784
	Amount <Amt>	[0..1]	Amount		1786
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1786
	CustomerNotified <CstmrNtfd>	[0..1]	Indicator		1786

45.1.7.29.45 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1646
	Description <Desc>	[0..1]	Text		1651
	Exemption <Xmptn>	[0..1]	Indicator		1651
	ExemptReason <XmptRsn>	[0..1]	Text		1652
	Amount <Amt>	[1..1]	Amount		1652
	Rate <Rate>	[0..1]	Rate		1652
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1652
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1652

45.1.7.29.45.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.29.45.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.29.45.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.29.45.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.29.45.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.29.45.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.29.45.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.29.45.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.29.46 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.29.47 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.30 TelecomServicesLineItem4

Definition: Telecom services line item carries detail level telephony billing data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDateTime <StartDtTm>	[0..1]	Date		1655
	TimePeriod <TmPrd>	[0..1]	Text		1655
	Duration <Drtn>	[0..1]	Time		1655
	CallFromType <CallFrTp>	[0..1]	CodeSet		1655
	CallFromPhone <CallFrPhne>	[0..1]	Text		1655
	CallFromCity <CallFrCity>	[0..1]	Text		1655
	CallFromCountrySubDivisionMajor <CallFrCtrySubDvsnMjr>	[0..1]	CodeSet		1655
	CallFromCountrySubDivisionMinor <CallFrCtrySubDvsnMnr>	[0..1]	CodeSet		1656
	CallFromCountry <CallFrCtry>	[0..1]	CodeSet		1656
	CallToType <CallToTp>	[0..1]	CodeSet		1656
	CallToPhone <CallToPhne>	[0..1]	Text		1656
	CallToCity <CallToCity>	[0..1]	Text		1656
	CallToCountrySubDivisionMajor <CallToCtrySubDvsnMjr>	[0..1]	CodeSet		1656
	CallToCountrySubDivisionMinor <CallToCtrySubDvsnMnr>	[0..1]	CodeSet		1657
	CallToCountry <CallToCtry>	[0..1]	CodeSet		1657
	Charge <Chrg>	[0..*]	±		1657
	Tax <Tax>	[0..*]			1657
	Type <Tp>	[1..1]	CodeSet		1657
	Description <Desc>	[0..1]	Text		1663
	Exemption <Xmptn>	[0..1]	Indicator		1663
	ExemptReason <XmptRsn>	[0..1]	Text		1663
	Amount <Amt>	[1..1]	Amount		1663
	Rate <Rate>	[0..1]	Rate		1663
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1664
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1664
	TotalAmount <TtlAmt>	[0..1]	Amount		1664
	Description <Desc>	[0..1]	Text		1664
	PrivateData <PrvtData>	[0..*]	(External Schema)		1664
	NationalData <NtlData>	[0..*]	(External Schema)		1664

45.1.7.30.1 StartDateTime <StartDtTm>

Presence: [0..1]

Definition: Contains the start date and time of the phone call.

Datatype: "ISODate" on page 2151

45.1.7.30.2 TimePeriod <TmPrd>

Presence: [0..1]

Definition: Describes the period (such as peak or off peak) of the phone call.

Datatype: "Max35Text" on page 2163

45.1.7.30.3 Duration <Drtn>

Presence: [0..1]

Definition: Duration of phone call expressed in HHMMSS format.

Datatype: "ISOTime" on page 2169

45.1.7.30.4 CallFromType <CallFrTp>

Presence: [0..1]

Definition: Contains call type values for the originator of the telephone call . P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TelephonyCallType2Code" on page 2143

CodeName	Name	Definition
VCML	VoiceMail	Voice mail
TFPC	TollFreeCall	Toll free phone call
PAGE	Page	Page
OGPC	OutgoingCall	Outgoing phone call
OTCL	Other	Other type of call not elsewhere classified.
ICPC	IncomingCall	Incoming phone call

45.1.7.30.5 CallFromPhone <CallFrPhne>

Presence: [0..1]

Definition: Origination phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.30.6 CallFromCity <CallFrCity>

Presence: [0..1]

Definition: City from which the call was made.

Datatype: "Max35Text" on page 2163

45.1.7.30.7 CallFromCountrySubDivisionMajor <CallFrCtrySubDvsnMjr>

Presence: [0..1]

Definition: Country sub division major from which the call was made.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.30.8 CallFromCountrySubDivisionMinor <CallFrCtrySubDvsnMnr>

Presence: [0..1]

Definition: Country sub division minor from which the call was made.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.30.9 CallFromCountry <CallFrCtry>

Presence: [0..1]

Definition: Country from which the call was made.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.7.30.10 CallToType <CallToTp>

Presence: [0..1]

Definition: Contains call type values for the destination of the telephone call .

Datatype: "TelephonyCallType2Code" on page 2143

CodeName	Name	Definition
VCML	VoiceMail	Voice mail
TFPC	TollFreeCall	Toll free phone call
PAGE	Page	Page
OGPC	OutgoingCall	Outgoing phone call
OTCL	Other	Other type of call not elsewhere classified.
ICPC	IncomingCall	Incoming phone call

45.1.7.30.11 CallToPhone <CallToPhne>

Presence: [0..1]

Definition: Destination phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.30.12 CallToCity <CallToCity>

Presence: [0..1]

Definition: City to which the call was made.

Datatype: "Max35Text" on page 2163

45.1.7.30.13 CallToCountrySubDivisionMajor <CallToCtrySubDvsnMjr>

Presence: [0..1]

Definition: Country sub division major to which the call was made.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.30.14 CallToCountrySubDivisionMinor <CallToCtrySubDvsnMnr>

Presence: [0..1]

Definition: Country sub division minor to which the call was made.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.30.15 CallToCountry <CallToCtry>

Presence: [0..1]

Definition: Country to which the call was made.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.7.30.16 Charge <Chrg>

Presence: [0..*]

Definition: Contains the amount pertaining to the telephony billing event.

Charge <Chrg> contains the following elements (see "TelecomLineItemAmount1" on page 1582 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1583
	Amount <Amt>	[1..1]	Amount		1583
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1583

45.1.7.30.17 Tax <Tax>

Presence: [0..*]

Definition: Total of taxes applicable to the billing amount of the telephone call.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1657
	Description <Desc>	[0..1]	Text		1663
	Exemption <Xmptn>	[0..1]	Indicator		1663
	ExemptReason <XmptRsn>	[0..1]	Text		1663
	Amount <Amt>	[1..1]	Amount		1663
	Rate <Rate>	[0..1]	Rate		1663
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1664
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1664

45.1.7.30.17.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency

CodeName	Name	Definition
		assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.

CodeName	Name	Definition
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax

CodeName	Name	Definition
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax

CodeName	Name	Definition
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which

CodeName	Name	Definition
		relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.30.17.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.30.17.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.30.17.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.30.17.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.30.17.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.30.17.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.30.17.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.30.18 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount includes amounts of all charge types and total tax amounts.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.30.19 Description <Desc>

Presence: [0..1]

Definition: Description of the telecommunications services line item details

Datatype: "Max256Text" on page 2162

45.1.7.30.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.30.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.31 PassengerTransport4

Definition: Passenger ticket information for the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1667
	ReservationSystem <RsvatnSys>	[0..1]	Text		1667
	ReservationNumber <RsvatnNb>	[0..1]	Text		1667
	OriginalReservationSystem <OrgnlRsvatnSys>	[0..1]	Text		1667
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1667
	TravelAuthorisationCode <TrvlAuthstnCd>	[0..1]	Text		1667
	TicketIssuer <TcktIssr>	[0..1]	Text		1667
	OpenTicket <OpnTckt>	[0..1]	Indicator		1668
	CustomerReference <CstmrRef>	[0..*]			1668
	Identification <Id>	[0..1]	Text		1668
	Detail <Dtl>	[0..1]	Text		1668
	Passenger <Pssngr>	[0..*]	±		1668
	Departure <Dprture>	[0..1]	±		1669
	Duration <Drtn>	[0..1]	Text		1669
	Insurance <Insrnc>	[0..1]	Indicator		1669
	TotalAmount <TtlAmt>	[0..*]			1670
	Type <Tp>	[0..1]	CodeSet		1670
	Amount <Amt>	[1..1]	Amount		1671
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1671
	Tax <Tax>	[0..*]			1671
	Type <Tp>	[1..1]	CodeSet		1672
	Description <Desc>	[0..1]	Text		1677
	Exemption <Xmptn>	[0..1]	Indicator		1677
	ExemptReason <XmptRsn>	[0..1]	Text		1678
	Amount <Amt>	[1..1]	Amount		1678
	Rate <Rate>	[0..1]	Rate		1678
	IncludedInTotal <IncllnTtl>	[0..1]	Indicator		1678
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1678
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1678
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		1679
	TripLeg <TripLeg>	[0..*]	±		1679

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AncillaryPurchase <AncllryPurchs>	[0..*]	±		1681
	HiredVehicleDetails <HirdVhclDtls>	[0..*]	±		1682
	PrivateData <PrvtData>	[0..*]	(External Schema)		1683
	NationalData <NtlData>	[0..*]	(External Schema)		1683

45.1.7.31.1 DocumentNumber <DocNb>

Presence: [0..1]

Definition: Unique identification number of the document.

Datatype: "Max35Text" on page 2163

45.1.7.31.2 ReservationSystem <RsvatnSys>

Presence: [0..1]

Definition: Computerised reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 2165

45.1.7.31.3 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 2163

45.1.7.31.4 OriginalReservationSystem <OrgnlRsvatnSys>

Presence: [0..1]

Definition: System code that identifies the original reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 2165

45.1.7.31.5 OriginalReservationNumber <OrgnlRsvatnNb>

Presence: [0..1]

Definition: Value that identifies the original reservation generated during the original reservation and purchase of the ticket.

Datatype: "Max35Text" on page 2163

45.1.7.31.6 TravelAuthorisationCode <TrvlAuthstnCd>

Presence: [0..1]

Definition: Contains a code provided to a travel agent by a company to authorise ticket issuance.

Datatype: "Max70Text" on page 2167

45.1.7.31.7 TicketIssuer <Tcktlssr>

Presence: [0..1]

Definition: Name of the issuing ticket agent.

Datatype: "Max35Text" on page 2163

45.1.7.31.8 OpenTicket <OpnTckt>

Presence: [0..1]

Definition: Indicates whether or not the ticket is open or restricted.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.31.9 CustomerReference <CstmrRef>

Presence: [0..*]

Definition: Contains Customer Reference Values provided for this transaction and used for various reference processing at the customer site. These values represent information most prevalently provided by travel agencies for transactions booked against a lodged account or central travel account.

CustomerReference <CstmrRef> contains the following **CustomerReference1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1668
	Detail <Dtl>	[0..1]	Text		1668

45.1.7.31.9.1 Identification <Id>

Presence: [0..1]

Definition: Defines the content of the value provided in the Customer Reference detail.

Datatype: "Max35Text" on page 2163

45.1.7.31.9.2 Detail <Dtl>

Presence: [0..1]

Definition: Subfield is a free-form text field containing customer reference value details about the transaction.

Datatype: "Max70Text" on page 2167

45.1.7.31.10 Passenger <Pssngr>

Presence: [0..*]

Definition: Contains the details of the passenger.

Passenger <Pssngr> contains the following elements (see "[Customer10](#)" on page 1977 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1978
	GivenName <GvnNm>	[0..1]	Text		1978
	MiddleName <MddlNm>	[0..1]	Text		1978
	LastName <LastNm>	[0..1]	Text		1978
	Identification <Id>	[0..1]	±		1978
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1979
	Age <Age>	[0..1]	Text		1979
	Address <Adr>	[0..1]	±		1979
	Contact <Ctct>	[0..1]	±		1980

45.1.7.31.11 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure location, date and time.

Departure <Dprture> contains the following elements (see "[DepartureOrArrival1](#)" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1447
	Description <Desc>	[0..1]	Text		1447
	Date <Dt>	[0..1]	Date		1447
	Time <Tm>	[0..1]	Time		1447

45.1.7.31.12 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip in days.

Datatype: "[Max4NumericText](#)" on page 2165

45.1.7.31.13 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.31.14 TotalAmount <TtlAmt>

Presence: [0..*]

Definition: Total amount.

TotalAmount <TtlAmt> contains the following **AmountAndTax1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1670
	Amount <Amt>	[1..1]	Amount		1671
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1671
	Tax <Tax>	[0..*]			1671
	Type <Tp>	[1..1]	CodeSet		1672
	Description <Desc>	[0..1]	Text		1677
	Exemption <Xmptn>	[0..1]	Indicator		1677
	ExemptReason <XmptRsn>	[0..1]	Text		1678
	Amount <Amt>	[1..1]	Amount		1678
	Rate <Rate>	[0..1]	Rate		1678
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1678
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1678

45.1.7.31.14.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TypeOfAmount24Code" on page 2146

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
BAGG	Baggage	Baggage related fees
CARG	Cargo	Cargo Amount.
CHTC	ChargedToCard	Amount that has been charged to card account
CLUB	ClubFee	Amount for club fee.
DUTY	DutyFree	Duty free amount
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)

CodeName	Name	Definition
FARE	Fare	Amount of fare
FDBV	FoodBeverage	Amount of food and beverages
INSU	Insurance	Insurance charges
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
PETC	PetCarrier	Pet carrier.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges
TOUR	TourOrder	Tour order amount.
UPGD	Upgrade	Amount for an upgrade.
TKDL	TicketDelivery	Ticket delivery amount.
FEES	Fees	Fees.

45.1.7.31.14.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.31.14.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.31.14.4 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1672
	Description <Desc>	[0..1]	Text		1677
	Exemption <Xmptn>	[0..1]	Indicator		1677
	ExemptReason <XmptRsn>	[0..1]	Text		1678
	Amount <Amt>	[1..1]	Amount		1678
	Rate <Rate>	[0..1]	Rate		1678
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1678
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1678

45.1.7.31.14.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.31.14.4.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.31.14.4.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.31.14.4.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.31.14.4.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.31.14.4.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.31.14.4.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.31.14.4.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.31.15 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.31.16 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "[LoyaltyProgramme4](#)" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Identification <Id>	[0..1]	Text		1445
	ParticipantIdentification <PtcptId>	[0..1]	Text		1445

45.1.7.31.17 TripLeg <TripLeg>

Presence: [0..*]

Definition: Component supports ticketing transactions for airline, railway, and travel agency transactions to provide passenger ticket information for the cardholder. Acquirers can submit multiple occurrences of this component for each airline, railway, or travel agency transaction to provide general ticket information.

TripLeg <TripLeg> contains the following elements (see "TripLeg4" on page 1508 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceNumber <SeqNb>	[0..1]	Text		1510
	TicketNumber <TcktNb>	[0..1]	Text		1510
	TicketIssuer <TcktIssr>	[0..1]	Text		1510
	TicketIssueDate <TcktlSseDt>	[0..1]	Date		1511
	TicketIssueLocation <TcktlSseLctn>	[0..1]	Text		1511
	ConjunctionTicketNumber <CnjctnTcktNb>	[0..1]	Text		1511
	RestrictedTicket <RstrctdTckt>	[0..1]	Indicator		1511
	OpenTicket <OpnTckt>	[0..1]	Indicator		1511
	TicketRestrictions <TcktRstrctns>	[0..1]	Text		1511
	ExchangedTicket <XchgdTckt>	[0..1]	Indicator		1512
	ExchangedTicketNumber <XchgdTcktNb>	[0..1]	Text		1512
	RecordLocatorNumber <RcrdLctrNb>	[0..1]	Text		1512
	ReservationSystem <RsvatnSys>	[0..1]	Text		1512
	ReservationNumber <RsvatnNb>	[0..1]	Text		1512
	OriginalReservationSystem <OrgnlRsvatnSys>	[0..1]	Text		1512
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1512
	Document <Doc>	[0..1]	(External Schema)		1513
	TransportType <TrnsprtTp>	[0..1]	CodeSet		1513
	CommodityCode <CmmdtyCd>	[0..1]	Text		1513
	CarrierName <CrrierNm>	[0..1]	Text		1513
	CarrierCode <CrrierCd>	[0..1]	Text		1513
	IATACode <IATACd>	[0..1]	Text		1514
	RouteNumber <RouteNb>	[0..1]	Text		1514
	ServiceClass <SvcClss>	[0..1]	Text		1514
	Departure <Dprturt>	[0..1]	±		1514
	Arrival <Arrvl>	[0..1]	±		1514
	Duration <Drtn>	[0..1]	Text		1515
	StopOver <StopOver>	[0..1]	Indicator		1515
	NonDirectRouteCode <NonDrctRouteCd>	[0..1]	Text		1515
	FairBasisCode <FairBsisCd>	[0..1]	Text		1515
	Insurance <Insrnc>	[0..1]	Indicator		1515

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..*]			1515
	Type <Tp>	[0..1]	CodeSet		1516
	Amount <Amt>	[1..1]	Amount		1517
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1517
	Tax <Tax>	[0..*]			1517
	Type <Tp>	[1..1]	CodeSet		1518
	Description <Desc>	[0..1]	Text		1523
	Exemption <Xmptn>	[0..1]	Indicator		1523
	ExemptReason <XmptRsn>	[0..1]	Text		1524
	Amount <Amt>	[1..1]	Amount		1524
	Rate <Rate>	[0..1]	Rate		1524
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1524
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1524
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1524
	ProcedureIdentification <PrcdrId>	[0..1]	Text		1525
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		1525
	PrivateData <PrvtData>	[0..*]	(External Schema)		1525
	NationalData <NtlData>	[0..*]	(External Schema)		1525

45.1.7.31.18 AncillaryPurchase <AncllryPurchs>

Presence: [0..*]

Definition: Contains additional charges related to or during transit (for example, baggage fee, in-flight purchase). These are separate from the original ticket purchase.

AncillaryPurchase <AncllryPurchs> contains the following elements (see "[AncillaryPurchase4](#)" on page 1760 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1761
	RelatedDocumentNumber <RltdDocNb>	[0..1]	Text		1761
	ServiceCategoryCode <SvcCtgyCd>	[0..1]	Text		1761
	ServiceSubCategoryCode <SvcSubCtgyCd>	[0..1]	Text		1762
	ServiceProviderServiceType <SvcPrvdrSvcTp>	[0..1]	Text		1762
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1762
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1762
	Amount <Amt>	[0..1]	Amount		1762
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1762
	Fee <Fee>	[0..1]	Amount		1762
	Tax <Tax>	[0..*]			1763
	Type <Tp>	[1..1]	CodeSet		1763
	Description <Desc>	[0..1]	Text		1768
	Exemption <Xmptn>	[0..1]	Indicator		1769
	ExemptReason <XmptRsn>	[0..1]	Text		1769
	Amount <Amt>	[1..1]	Amount		1769
	Rate <Rate>	[0..1]	Rate		1769
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1769
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1769
	PrivateData <PrvtData>	[0..*]	(External Schema)		1770
	NationalData <NtlData>	[0..*]	(External Schema)		1770

45.1.7.31.19 HiredVehicleDetails <HirdVhclDtls>

Presence: [0..*]

Definition: Vehicle for hire for passenger transport - excludes vehicles driven by a renter. Examples include, but are not limited to, taxi, chauffeured limousine, boats.

HiredVehicleDetails <HirdVhclDtls> contains the following elements (see "[HiredVehicle4](#)" on page 1686 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyType <CpnyTp>	[0..1]	Text		1686
	CompanyName <CpnyNm>	[0..1]	Text		1687
	TypeOfVehicle <TpOfVhcl>	[0..1]	Text		1687
	VehicleIdentification <VhclId>	[0..1]	Text		1687
	DriverIdentification <DrvrId>	[0..1]	Text		1687
	DriverTaxIdentification <DrvrTaxId>	[0..1]	Text		1687
	DestinationNameAndLocation <DstnNmAndLctn>	[0..1]	Text		1687
	DestinationAddress <DstnAdr>	[0..1]	±		1687

45.1.7.31.20 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.31.21 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.32 TravelDocument3

Definition: Details of travel document used for identification and/or authentication of the customer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1684
	Form <Form>	[0..1]	CodeSet		1684
	Identification <Id>	[1..1]	Text		1685
	Assigner <Assgnr>	[0..1]	Text		1685
	IssuanceDate <IssncDt>	[0..1]	Date		1685
	ExpirationDate <XprtnDt>	[0..1]	Date		1685
	Country <Ctry>	[0..1]	CodeSet		1685

45.1.7.32.1 Type <Tp>

Presence: [1..1]

Definition: Type of travel document. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "OfficialDocumentType2Code" on page 2132

CodeName	Name	Definition
ARNU	AlienRegistration	Number assigned by a government agency to identify foreign nationals.
AUTH	Authorisation	Travel authorisation assigned by a government agency (e.g. ESTA, etc.)
DIPL	Diplomatic	Diplomatic passport or travel document.
DVLC	DrivingLicense	Driving license.
EURO	Europol	Europol-issued travel or related document.
IDEN	IdentityCard	Identity card.
INTE	Internal	Internal travel document.
INPO	Interpol	Interpol-issued travel or related document
LZPR	Laissezpasser	Emergency travel or related document.
PASS	Passport	Passport.
VISA	PassportVisa	Visa issued by a government or related authority.
PERM	Permit	Permit.
REFU	Refugee	Travel or related document issued to refugees.

45.1.7.32.2 Form <Form>

Presence: [0..1]

Definition: Form of travel document.

Datatype: "PresentationMedium2Code" on page 2136

CodeName	Name	Definition
BIOM	Biometric	Biometric medium.
ELEC	Electronic	Presentation is made electronically.
PAPR	Paper	Presentation is made on paper.
BOTH	PaperElectronic	Presentation is made on paper and/or electronically.

45.1.7.32.3 Identification <Id>

Presence: [1..1]

Definition: Identification of travel document (for example, passport number).

Datatype: "Max70Text" on page 2167

45.1.7.32.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning the travel document.

Datatype: "Max70Text" on page 2167

45.1.7.32.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Issuance date of travel document.

Datatype: "ISODate" on page 2151

45.1.7.32.6 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of travel document (if and when relevant).

Datatype: "ISODate" on page 2151

45.1.7.32.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the travel document.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.7.33 TelecomBillingEventAmount1

Definition: Contains the details of the billing amount

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Description <Desc>	[0..1]	Text		1686
	Amount <Amt>	[1..1]	Amount		1686
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1686

45.1.7.33.1 Description <Desc>

Presence: [0..1]

Definition: Description of the amount details.

Datatype: "Max35Text" on page 2163

45.1.7.33.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.33.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the tax amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.34 HiredVehicle4

Definition: Vehicle for hire for passenger transport - excludes vehicles driven by a renter. Examples include, but are not limited to, taxi, chauffeured limousine, boats.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyType <CpnyTp>	[0..1]	Text		1686
	CompanyName <CpnyNm>	[0..1]	Text		1687
	TypeOfVehicle <TpOfVhcl>	[0..1]	Text		1687
	VehicleIdentification <VhclId>	[0..1]	Text		1687
	DriverIdentification <DrvrlId>	[0..1]	Text		1687
	DriverTaxIdentification <DrvrTaxId>	[0..1]	Text		1687
	DestinationNameAndLocation <DstnNmAndLctn>	[0..1]	Text		1687
	DestinationAddress <DstnAdr>	[0..1]	±		1687

45.1.7.34.1 CompanyType <CpnyTp>

Presence: [0..1]

Definition: Defines the type of company or vehicle being hired (for example, private, taxi, chauffeur service, rideshare).

Datatype: "Max35Text" on page 2163

45.1.7.34.2 CompanyName <CpnyNm>

Presence: [0..1]

Definition: Contains the name of the company that provided the hired vehicle services.

Datatype: "Max70Text" on page 2167

45.1.7.34.3 TypeOfVehicle <TpOfVhcl>

Presence: [0..1]

Definition: Contains the type of vehicle that was hired (for example, limousine, black, SUV).

Datatype: "Max35Text" on page 2163

45.1.7.34.4 VehicleIdentification <VhclId>

Presence: [0..1]

Definition: Contains the identifier assigned to the vehicle.

Datatype: "Max35Text" on page 2163

45.1.7.34.5 DriverIdentification <DrvrId>

Presence: [0..1]

Definition: Contains the identifier assigned to the driver.

Datatype: "Max35Text" on page 2163

45.1.7.34.6 DriverTaxIdentification <DrvrTaxId>

Presence: [0..1]

Definition: Contains the tax identifier assigned to the driver.

Datatype: "Max35Text" on page 2163

45.1.7.34.7 DestinationNameAndLocation <DstnNmAndLctn>

Presence: [0..1]

Definition: Name and location of the destination. May only contain the name if the location is specified elsewhere.

Datatype: "Max99Text" on page 2168

45.1.7.34.8 DestinationAddress <DstnAdr>

Presence: [0..1]

Definition: Specific address of the destination.

DestinationAddress <DstnAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.35 TelecomServices4

Definition: Telecom services carries telephony billing data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerAccountNumber <CstmrAcctNb>	[0..1]	Text		1689
	CustomerName <CstmrNm>	[0..1]	Text		1689
	CustomerPhone <CstmrPhne>	[0..1]	Text		1689
	BillingStart <BllgStart>	[0..1]	Date		1690
	BillingEnd <BllgEnd>	[0..1]	Date		1690
	BillingEvent <BllgEvt>	[0..*]	±		1690
	TotalTax <TtlTax>	[0..*]			1690
	Type <Tp>	[1..1]	CodeSet		1690
	Description <Desc>	[0..1]	Text		1696
	Exemption <Xmptn>	[0..1]	Indicator		1696
	ExemptReason <XmptRsn>	[0..1]	Text		1696
	Amount <Amt>	[1..1]	Amount		1696
	Rate <Rate>	[0..1]	Rate		1696
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1697
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1697
	TotalAmount <TtlAmt>	[0..1]	Amount		1697
	LineItem <Lineitm>	[0..*]	±		1697
	PrivateData <PrvtData>	[0..*]	(External Schema)		1699
	NationalData <NtlData>	[0..*]	(External Schema)		1699

45.1.7.35.1 CustomerAccountNumber <CstmrAcctNb>

Presence: [0..1]

Definition: Customer account number with the service provider.

Datatype: "Max35Text" on page 2163

45.1.7.35.2 CustomerName <CstmrNm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max105Text" on page 2157

45.1.7.35.3 CustomerPhone <CstmrPhne>

Presence: [0..1]

Definition: Customer's primary contact phone number.

Datatype: "PhoneNumber" on page 2169

45.1.7.35.4 BillingStart <BllgStart>

Presence: [0..1]

Definition: Contains the billing period start date for telecommunication or related services.

Datatype: "ISODate" on page 2151

45.1.7.35.5 BillingEnd <BllgEnd>

Presence: [0..1]

Definition: Contains the billing period end date for telecommunication or related services.

Datatype: "ISODate" on page 2151

45.1.7.35.6 BillingEvent <BllgEvt>

Presence: [0..*]

Definition: Summary of the charges associated with the billing event.

BillingEvent <BllgEvt> contains the following elements (see "TelecomBillingEventAmount1" on page 1685 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Description <Desc>	[0..1]	Text		1686
	Amount <Amt>	[1..1]	Amount		1686
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1686

45.1.7.35.7 TotalTax <TtlTax>

Presence: [0..*]

Definition: Total of taxes applicable to the billing amount.

TotalTax <TtlTax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1690
	Description <Desc>	[0..1]	Text		1696
	Exemption <Xmptn>	[0..1]	Indicator		1696
	ExemptReason <XmptRsn>	[0..1]	Text		1696
	Amount <Amt>	[1..1]	Amount		1696
	Rate <Rate>	[0..1]	Rate		1696
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1697
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1697

45.1.7.35.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency

CodeName	Name	Definition
		assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.

CodeName	Name	Definition
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax

CodeName	Name	Definition
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax

CodeName	Name	Definition
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which

CodeName	Name	Definition
		relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.35.7.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.35.7.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.35.7.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.35.7.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.35.7.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.35.7.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.35.7.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.35.8 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount includes amounts of all the billing events and total tax amounts.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.35.9 Lineltem <Lineltm>

Presence: [0..*]

Definition: Telecom Services Line Item component is designed to carry detail level telephony billing data and to enable issuers to supply more transaction information to their consumer and corporate clients pertaining to telecommunications services and related billing information.

LinItem <LinItem> contains the following elements (see "TelecomServicesLinItem4" on page 1653 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDateTime <StartDtTm>	[0..1]	Date		1655
	TimePeriod <TmPrd>	[0..1]	Text		1655
	Duration <Drtn>	[0..1]	Time		1655
	CallFromType <CallFrTp>	[0..1]	CodeSet		1655
	CallFromPhone <CallFrPhne>	[0..1]	Text		1655
	CallFromCity <CallFrCity>	[0..1]	Text		1655
	CallFromCountrySubDivisionMajor <CallFrCtrySubDvsnMjr>	[0..1]	CodeSet		1655
	CallFromCountrySubDivisionMinor <CallFrCtrySubDvsnMnr>	[0..1]	CodeSet		1656
	CallFromCountry <CallFrCtry>	[0..1]	CodeSet		1656
	CallToType <CallToTp>	[0..1]	CodeSet		1656
	CallToPhone <CallToPhne>	[0..1]	Text		1656
	CallToCity <CallToCity>	[0..1]	Text		1656
	CallToCountrySubDivisionMajor <CallToCtrySubDvsnMjr>	[0..1]	CodeSet		1656
	CallToCountrySubDivisionMinor <CallToCtrySubDvsnMnr>	[0..1]	CodeSet		1657
	CallToCountry <CallToCtry>	[0..1]	CodeSet		1657
	Charge <Chrg>	[0..*]	±		1657
	Tax <Tax>	[0..*]			1657
	Type <Tp>	[1..1]	CodeSet		1657
	Description <Desc>	[0..1]	Text		1663
	Exemption <Xmptn>	[0..1]	Indicator		1663
	ExemptReason <XmptRsn>	[0..1]	Text		1663
	Amount <Amt>	[1..1]	Amount		1663
	Rate <Rate>	[0..1]	Rate		1663
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1664
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1664
	TotalAmount <TtlAmt>	[0..1]	Amount		1664
	Description <Desc>	[0..1]	Text		1664
	PrivateData <PrvtData>	[0..*]	(External Schema)		1664

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NationalData <NtlData>	[0..*]	(External Schema)		1664

45.1.7.35.10 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.35.11 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.36 AdditionalFee4

Definition: Fees not included in the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrptr>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

45.1.7.36.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of fee.

Datatype: "ISO8583FeeTypeCode" on page 2126

45.1.7.36.2 Program <Prgm>

Presence: [0..1]

Definition: Identification of fee program.

Datatype: "Max35Text" on page 2163

45.1.7.36.3 Descriptor <Dscrptr>

Presence: [0..1]

Definition: Identification of specific fee.

Datatype: "Max35Text" on page 2163

45.1.7.36.4 Rate <Rate>

Presence: [0..1]

Definition: Fee rate.

Datatype: "BaseOneRate" on page 2154

45.1.7.36.5 RateFix <RateFix>

Presence: [0..1]

Definition: Fix amount per transaction in currency for the type of amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.36.6 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Contains code list for a credit or debit transaction

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.36.7 Amount <Amt>

Presence: [1..1]

Definition: Amount exclusive of currency.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.36.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency for the type of amount.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.36.9 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount of the transaction in Reconciliation currency

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.36.10 ReconciliationCurrency <RcncltnCcy>

Presence: [0..1]

Definition: Currency code of Reconciliation and associated with Reconciliation amount. ISO 4217 "Codes for the representation of currencies and funds".

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.36.11 ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>

Presence: [0..1]

Definition: Effective exchange rate used in the conversion from transaction amount to reconciliation amount.

Datatype: "BaseOne25Rate" on page 2154

45.1.7.36.12 Assigner <Assgnr>

Presence: [0..1]

Definition: A code to identify the type of party who assign the fee. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.7.36.13 Description <Desc>

Presence: [0..1]

Definition: Short description of the fee amount.

Datatype: "Max140Text" on page 2159

45.1.7.37 AdditionalService3

Definition: Additional functions or services that have been or are to be performed in conjunction with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <RsIt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

45.1.7.37.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service applied to the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AdditionalServiceType3Code" on page 2104

CodeName	Name	Definition
CACT	CardActivation	Card activation
CSHB	CashBack	Purchase of goods or services with cashback
DCCV	DCC	Dynamic Currency Conversion (DCC)
INTP	InstantPayment	Instant payment from a cardholder's account to an acceptor's account
INTT	InstantTransfer	Instant transfer of funds from a payer's account to a payee's account.
LOYT	Loyalty	Loyalty services
PRST	PreStagedTransaction	Withdrawal transaction was pre-authorised by another channel (amount could be absent).
BALC	AccountBalance	Return the account balance with the transaction.
PVVS	PINVerificationService	Verify the PIN data.
REAC	React	Request react serervice.
SAVS	SmartAccountVerificationService	Smart Account verification service.
STIP	StandInProcessing	Processing the transaction on behalf of the Issuer.
TXID	TransactionIdentificationService	Transaction identification service
CDTL	CredentialStatus	Validate the credential status.
ANIQ	AccountNameInquiryService	Account name inquiry service
ADCA	CardAddedToCardOnFile	Add card to the card on file.

45.1.7.37.2 SubType <SubTp>

Presence: [0..1]

Definition: Sub type of the additional service.

Datatype: "Max10Text" on page 2158

45.1.7.37.3 Result <RsIt>

Presence: [0..1]

Definition: Result from performing the identified service.

Datatype: "ISO8583AdditionalServiceResultCode" on page 2126

45.1.7.37.4 Detail <Dtl>

Presence: [0..1]

Definition: Contains additional information for the execution or results of the service.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.38 OriginalTransaction4

Definition: Data related to an original transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionCharacteristics <TxChrtcs>	[0..1]	±		1706
	Originator <Orgtr>	[0..1]	±		1707
	Acquirer <Acqrr>	[0..1]	±		1707
	Sender <Sndr>	[0..1]	±		1708
	Card <Card>	[1..1]	±		1708
	AccountFrom <AcctFr>	[0..1]	±		1709
	AccountTo <AcctTo>	[0..1]	±		1710
	Receiver <Rcvr>	[0..1]	±		1710
	Issuer <Issr>	[0..1]	±		1710
	Destination <Dstn>	[0..1]	±		1711
	Programme <Prgrmm>	[0..1]	±		1711
	TransactionIdentification <TxId>	[0..1]	±		1712
	ConversionDateTime <ConvvsDtTm>	[0..1]			1713
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714
	ExchangeRate <XchgRate>	[0..*]			1714
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717
	TransactionAmounts <TxAmts>	[0..1]	±		1717
	AdditionalAmount <AddtlAmt>	[0..*]	±		1717

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acceptor <Accptr>	[0..1]	±		1718
	Terminal <Termnl>	[0..1]	±		1719
	POIComponent <POICmpnt>	[0..*]	±		1721
	Context <Cntxt>	[0..1]	±		1721
	Payer <Pyer>	[0..1]	±		1724
	Payee <Pyee>	[0..1]	±		1724
	Token <Tkn>	[0..1]	±		1725
	CustomerDevice <CstmrDvc>	[0..1]	±		1726
	Wallet <Wlt>	[0..1]	±		1727
	Cardholder <Crhdldr>	[0..*]	±		1728
	Verification <Vrfctn>	[0..*]	±		1729
	Risk <Rsk>	[0..*]	±		1729
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	(External Schema)		1730
	AdditionalService <AddtlSvc>	[0..*]	±		1730
	FundsServices <FndsSvcs>	[0..1]	±		1730
	DepositDetails <DpstDtls>	[0..*]	±		1731
	Jurisdiction <Jursdctn>	[0..1]			1731
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732
	SettlementService <SttlmSvc>	[0..1]	±		1732
	AdditionalFee <AddtlFee>	[0..*]	±		1732
	Reconciliation <Rcncltn>	[0..1]	±		1733
	DisputeData <DsptData>	[0..*]	±		1733
	Documentation <Dcmnttn>	[0..*]	±		1734
	ProcessingResult <PrcgRslt>	[0..1]	±		1734

45.1.7.38.1 TransactionCharacteristics <TxChrtcs>

Presence: [0..1]

Definition: Transaction characteristics of the original transaction.

TransactionCharacteristics <TxChrtcs> contains the following elements (see "OriginalTransactionCharacteristics2" on page 2041 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2042
	TransactionSubType <TxSubTp>	[0..1]	Text		2042
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2042
	MessageReason <MsgRsn>	[0..*]	CodeSet		2043
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2043
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2043
	TransactionDescription <TxDesc>	[0..1]	Text		2043
	PrivateData <PrvtData>	[0..*]	(External Schema)		2044
	NationalData <NtlData>	[0..*]	(External Schema)		2044

45.1.7.38.2 Originator <Orgtr>

Presence: [0..1]

Definition: Identifies the originator of the transaction.

Originator <Orgtr> contains the following elements (see "OriginatorData2" on page 1932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

45.1.7.38.3 Acquirer <Acqrr>

Presence: [0..1]

Definition: Identification of the acquirer.

Acquirer <Acqrr> contains the following elements (see "[AcquirerData1](#)" on page 1922 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

45.1.7.38.4 Sender <Sndr>

Presence: [0..1]

Definition: Party sending the message to another intermediary agent or to the final destination.

Sender <Sndr> contains the following elements (see "[SenderData1](#)" on page 1940 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

45.1.7.38.5 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData17" on page 1433 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1434
	ProtectedPAN <PrctcdPAN>	[0..1]	Indicator		1434
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1435
	EffectiveDate <FctvDt>	[0..1]	YearMonth		1435
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1435
	Track3 <Trck3>	[0..1]	Text		1435
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		1435
	PANAccountRange <PANAcctRg>	[0..1]	Text		1435
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		1436
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		1436
	Country <Ctry>	[0..1]	CodeSet		1436
	Currency <Ccy>	[0..1]	CodeSet	C1	1436
	ProductType <PdctTp>	[0..1]	Text		1436
	ProductSubType <PdctSubTp>	[0..1]	Text		1436
	PortfolioIdentifier <Prtlflldr>	[0..1]	Text		1436
	Brand <Brnd>	[0..1]	Text		1437
	AccountFundingSource <AcctFndgSrc>	[0..1]	Text		1437
	Segment <Sgmt>	[0..1]	Text		1437
	Scheme <Schme>	[0..1]	Text		1437
	IssueDate <IsseDt>	[0..1]	YearMonth		1437
	PrivateData <PrvtData>	[0..*]	(External Schema)		1437
	NationalData <NtlData>	[0..*]	(External Schema)		1437

45.1.7.38.6 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for debit, inquiries and the source of funding for transfers.

AccountFrom <AcctFr> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

45.1.7.38.7 AccountTo <AcctTo>

Presence: [0..1]

Definition: Identifies a customer account or a relationship to its account affected for credits, inquiries and the destination account for funds transfers.

AccountTo <AcctTo> contains the following elements (see "[AccountDetails4](#)" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1381
	Type <Tp>	[0..1]	CodeSet		1381
	Identification <Id>	[0..1]	Text		1381

45.1.7.38.8 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the origin or from an intermediary agent.

Receiver <Rcvr> contains the following elements (see "[ReceiverData1](#)" on page 1945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

45.1.7.38.9 Issuer <Issr>

Presence: [0..1]

Definition: Information related to the issuer.

Issuer <Issr> contains the following elements (see "IssuerData1" on page 1935 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

45.1.7.38.10 Destination <Dstn>

Presence: [0..1]

Definition: Identifies the destination of the transaction.

Destination <Dstn> contains the following elements (see "DestinationData1" on page 1937 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

45.1.7.38.11 Programme <Prgrmm>

Presence: [0..1]

Definition: Programme, network, or brand processes the transaction.

Programme <Prgrmm> contains the following elements (see "[ProgrammeMode7](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedIdentification <PropsdId>	[0..*]	Text		1438
	AppliedIdentification <ApIdId>	[0..1]	Text		1438
	IdentificationSelectedBy <IdSelctdBy>	[0..1]	CodeSet		1438
	PrivateData <PrvtData>	[0..*]	(External Schema)		1438
	NationalData <NtlData>	[0..*]	(External Schema)		1439

45.1.7.38.12 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification60" on page 2024 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

45.1.7.38.13 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		1713
	Time <Tm>	[0..1]	Time		1714

45.1.7.38.13.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

45.1.7.38.13.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

45.1.7.38.14 ExchangeRate <XchgRate>

Presence: [0..*]

Definition: Further detailed information on the exchange rates that have been used in or are related to the transaction.

ExchangeRate <XchgRate> contains the following **CardExchangeRate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		1714
	Identification <Id>	[0..1]	Text		1714
	Date <Dt>	[0..1]	Date		1715
	Time <Tm>	[0..1]	Time		1715
	EndPoint <EndPt>	[0..1]	CodeSet		1715
	CounterCurrencyCode <CntrCcyCd>	[0..1]	CodeSet	C1	1715
	BaseCurrencyCode <BaseCcyCd>	[0..1]	CodeSet	C1	1715
	Rate <Rate>	[0..1]	Rate		1716
	RateType <RateTp>	[0..1]	CodeSet		1716
	AgreementType <AgrmtTp>	[0..1]	CodeSet		1716
	RateLockRequested <RateLckReqd>	[0..1]	Indicator		1716
	RateLockEligible <RateLckElgbl>	[0..1]	Indicator		1716
	RateLockApplied <RateLckApld>	[0..1]	Indicator		1717

45.1.7.38.14.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identifies the source of the rate information.

Datatype: "Max70Text" on page 2167

45.1.7.38.14.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the specific rate, table or file that contains the rate information.

Datatype: "Max70Text" on page 2167

45.1.7.38.14.3 Date <Dt>

Presence: [0..1]

Definition: The date the exchange rate data is effective.

Datatype: "ISODate" on page 2151

45.1.7.38.14.4 Time <Tm>

Presence: [0..1]

Definition: The time the exchange rate data is effective.

Datatype: "ISOTime" on page 2169

45.1.7.38.14.5 EndPoint <EndPt>

Presence: [0..1]

Definition: Identifies the party to which this detail applies. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Endpoint2Code" on page 2115

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

45.1.7.38.14.6 CounterCurrencyCode <CntrCcyCd>

Presence: [0..1]

Definition: Identifies the counter currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.38.14.7 BaseCurrencyCode <BaseCcyCd>

Presence: [0..1]

Definition: Identifies the base currency used for currency conversion for the transaction party.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.7.38.14.8 Rate <Rate>

Presence: [0..1]

Definition: Contains the exchange rate.

Datatype: "BaseOne25Rate" on page 2154

45.1.7.38.14.9 RateType <RateTp>

Presence: [0..1]

Definition: Identifies the type of rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateType3Code" on page 2116

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

45.1.7.38.14.10 AgreementType <AgrmtTp>

Presence: [0..1]

Definition: Type of exchange rate agreement. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExchangeRateAgreementType2Code" on page 2115

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

45.1.7.38.14.11 RateLockRequested <RateLckReqd>

Presence: [0..1]

Definition: Indicates if a rate lock is or was requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.38.14.12 RateLockEligible <RateLckElgbl>

Presence: [0..1]

Definition: Indicates if the transaction is rate lock eligible.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.38.14.13 RateLockApplied <RateLckApld>

Presence: [0..1]

Definition: Indicates if a rate lock was applied.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.38.15 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see ["TransactionAmounts5"](#) on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1395
	Amount <Amt>	[1..1]	Amount		1395
	Currency <Ccy>	[1..1]	CodeSet	C1	1396
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1396
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1396
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1396
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1396
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1397
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1397
	DetailedAmount <DtldAmt>	[0..*]	±		1397

45.1.7.38.16 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

AdditionalAmount <AddtlAmt> contains the following elements (see "AdditionalAmounts5" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1405
	Type <Tp>	[1..1]	CodeSet		1405
	OtherType <OthrTp>	[0..1]	Text		1405
	Amount <Amt>	[1..1]	Amount		1405
	Currency <Ccy>	[0..1]	CodeSet	C1	1405
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1406
	Description <Desc>	[0..1]	Text		1406

45.1.7.38.17 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "AcceptorData3" on page 1948 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1949
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1950
	BusinessName <BizNm>	[0..1]	Text		1950
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1950
	NameAndLocation <NmAndLctn>	[0..1]	Text		1950
	Address <Adr>	[0..1]	±		1950
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1951
	Email <Email>	[0..1]	Text		1951
	URLAddress <URLAdr>	[0..1]	Text		1951
	PhoneNumber <PhneNb>	[0..1]	Text		1951
	CustomerService <CstmrSvc>	[0..1]	Text		1951
	AdditionalContact <AddtlCtct>	[0..1]	Text		1952
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1952
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1952
	LocalData <LclData>	[0..1]	±		1952
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1952
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1953
	BusinessType <BizTp>	[0..1]	Text		1953
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1953
	OwnerType <OwnrTp>	[0..1]	Text		1953
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1953
	CertificationType <CertfctnTp>	[0..1]	Text		1953
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1953
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1954
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1954
	PrivateData <PrvtData>	[0..*]	(External Schema)		1954
	NationalData <NtlData>	[0..*]	(External Schema)		1954

45.1.7.38.18 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal13" on page 1985 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1987
	Type <Tp>	[0..1]	CodeSet		1987
	SubType <SubTp>	[0..1]	CodeSet		1987
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1987
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1988
	PINLengthCapability <PINLnghCpblty>	[0..1]	Quantity		1988
	PINEntrySecurityCharacteristic <PINNtrySctyChrtc>	[0..1]	CodeSet		1989
	ApprovalCodeLength <ApprvICdLngh>	[0..1]	Quantity		1989
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1989
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1989
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1989
	MessageCapability <MsgCpblty>	[0..*]			1989
	Destination <Dstn>	[1..1]	CodeSet		1990
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1990
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1990
	LineWidth <LineWidth>	[0..1]	Quantity		1990
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	1991
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		1991
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		1991
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		1992
	GeographicLocation <GeogcLctn>	[0..1]	Text		1992
	Outdoor <Outdr>	[0..1]	Indicator		1992
	OffPremises <OffPrmiss>	[0..1]	Indicator		1992
	OnBoard <OnBrd>	[0..1]	Indicator		1993
	SerialNumber <SrlNb>	[0..1]	Text		1993
	Software <Sftwr>	[0..*]			1993
	Type <Tp>	[0..1]	CodeSet		1993
	SubType <SubTp>	[0..1]	Text		1994
	Version <Vrsn>	[0..1]	Text		1994
	CertificationIdentification <CertfctnId>	[0..1]	Text		1994
	Country <Ctry>	[0..1]	CodeSet		1994

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1994
	NationalData <NtlData>	[0..*]	(External Schema)		1994

45.1.7.38.19 POIComponent <POICmpnt>

Presence: [0..*]

Definition: Data related to the components of the POI (Point Of Interaction) performing the transactions.

POIComponent <POICmpnt> contains the following elements (see "[PointOfInteractionComponent16](#)" on page 1901 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

45.1.7.38.20 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following elements (see "Context26" on page 1804 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRcdPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Attndd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgnstcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

45.1.7.38.21 Payer <Pyer>

Presence: [0..1]

Definition: The party providing source of funds.

Payer <Pyer> contains the following elements (see "PayerData1" on page 1917 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crdntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Nlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

45.1.7.38.22 Payee <Pyee>

Presence: [0..1]

Definition: The party receiving funds.

Payee <Pyee> contains the following elements (see "PayeeData1" on page 1908 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptn>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

45.1.7.38.23 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token5" on page 2085 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

45.1.7.38.24 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice6" on page 1861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdId>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

45.1.7.38.25 Wallet <Wllt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet4" on page 1381 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProviderName <PrvdrNm>	[0..1]	Text		1382
	ProviderBusinessName <PrvdrBizNm>	[0..1]	Text		1382
	ProviderIdentification <PrvdrId>	[0..1]	Text		1383
	ProviderLegalCorporateName <PrvdrLglCorpNm>	[0..1]	Text		1383
	ProviderAddress <PrvdrAdr>	[0..1]	±		1383
	ProviderLocalData <PrvdrLclData>	[0..*]	±		1383
	PANAge <PANAge>	[0..1]	Quantity		1384
	UserAccountAge <UsrAcctAge>	[0..1]	Quantity		1384
	AccountAge <AcctAge>	[0..1]	Quantity		1384
	DaysSinceLastActivity <DaysSncLastActvty>	[0..1]	Quantity		1384
	Activity <Actvty>	[0..1]	Quantity		1384
	ActivityInterval <ActvtyIntrvl>	[0..1]	CodeSet		1384
	LastWalletChange <LastWltChng>	[0..1]	Quantity		1385
	SuspendedCards <SspdCrds>	[0..1]	Quantity		1385
	AccountCountry <AcctCtry>	[0..1]	CodeSet		1385
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1385
	AccountEmailAge <AcctEmailAge>	[0..1]	Quantity		1386
	ProviderRiskAssessment <PrvdrRskAssmnt>	[0..1]	CodeSet		1386
	ProviderRiskAssessmentModelVersion <PrvdrRskAssmntMdlVrsn>	[0..1]	Text		1386
	ProviderPhoneScore <PrvdrPhneScore>	[0..1]	Quantity		1386
	ProviderDeviceScore <PrvdrDvcScore>	[0..1]	Quantity		1386
	ProviderAccountScore <PrvdrAcctScore>	[0..1]	Quantity		1387
	ProviderReasonCode <PrvdrRsnCd>	[0..1]	Text		1387
	PrivateData <PrvtData>	[0..*]	(External Schema)		1387
	NationalData <NtlData>	[0..*]	(External Schema)		1387

45.1.7.38.26 Cardholder <Crdhldr>

Presence: [0..*]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crhdldr> contains the following elements (see "Cardholder23" on page 1966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

45.1.7.38.27 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification9" on page 2094 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

45.1.7.38.28 Risk <Rsk>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

Risk <Rsk> contains the following elements (see "RiskContext4" on page 2060 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

45.1.7.38.29 SpecialProgrammeQualification <SpclPrgrmmQlfcctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.38.30 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService3" on page 1703 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1703
	SubType <SubTp>	[0..1]	Text		1704
	Result <Rslt>	[0..1]	CodeSet		1704
	Detail <Dtl>	[0..1]	(External Schema)		1704

45.1.7.38.31 FundsServices <FndsSvcs>

Presence: [0..1]

Definition: Financial services related to the account.

FundsServices <FndsSvcs> contains the following elements (see "FundingService4" on page 2057 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

45.1.7.38.32 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "DepositDetails4" on page 1866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1866
	Amount <Amt>	[0..1]	Amount		1866
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1867

45.1.7.38.33 Jurisdiction <Jursdctn>

Presence: [0..1]

Definition: Contains information that identifies or is specific to a transaction jurisdiction.

Jurisdiction <Jursdctn> contains the following **Jurisdiction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DomesticIndicator <DmstInd>	[0..1]	Indicator		1731
	DomesticQualification <DmstQlfctn>	[0..1]	Text		1732

45.1.7.38.33.1 DomesticIndicator <DmstInd>

Presence: [0..1]

Definition: When true, indicates the transaction is considered to be domestic.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.38.33.2 DomesticQualification <DmstQlfcfn>

Presence: [0..1]

Definition: Identifies the reason the transaction is considered to be domestic or non-domestic.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.38.34 SettlementService <SttlmSvc>

Presence: [0..1]

Definition: Type of settlement service for specific services requiring settlement.

SettlementService <SttlmSvc> contains the following elements (see ["SettlementService7"](#) on page 2069 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

45.1.7.38.35 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

45.1.7.38.36 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Identification of the reconciliation period between the acquirer and the issuer or their respective agents.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation5" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

45.1.7.38.37 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData5" on page 1867 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

45.1.7.38.38 Documentation <Dcmnttn>

Presence: [0..*]

Definition: Additional information related to the dispute.

Documentation <Dcmnttn> contains the following elements (see "DisputeDocumentation2" on page 1891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

45.1.7.38.39 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult29" on page 2076 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

45.1.7.39 Context25

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1737
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1738
	QRCodePresentmentMode <QRcdPresntmntMd>	[0..1]	CodeSet		1738
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1738
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1738
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1738
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1738
	CardPresent <CardPres>	[0..1]	Indicator		1739
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1739
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1739
	TransponderInitiated <TrnspondrInittd>	[0..1]	Indicator		1739
	Transit <Trnst>	[0..1]	Indicator		1740
	Attended <Atnddd>	[0..1]	Indicator		1740
	UnattendedLevelCategory <UatndddLvCtgy>	[0..1]	Text		1740
	ECommerce <EComrc>	[0..1]	Indicator		1740
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1741
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1741
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1741
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1741
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1741
	NoShow <NoShow>	[0..1]	Indicator		1742
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1742
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1742
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1742
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1742
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1743
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1743
	SplitPayment <Spltpmt>	[0..1]	Indicator		1743
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1744
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1744
	StorageLocation <StorgLctn>	[0..1]	Text		1745

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1745
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1745
	CaptureDate <CaptrDt>	[0..1]	Date		1745
	DateAnticipated <DtAntcptd>	[0..1]	Date		1745
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1745
	PrivateData <PrvtData>	[0..*]	(External Schema)		1746
	NationalData <NtlData>	[0..*]	(External Schema)		1746

45.1.7.39.1 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data for the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode

CodeName	Name	Definition
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.7.39.2 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 2163

45.1.7.39.3 QRCodePresentmentMode <QRcdPresntmntMd>

Presence: [0..1]

Definition: Method used to present a QR Code at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "QRCodePresentmentMode2Code" on page 2138

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.1.7.39.4 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.39.5 MerchantCategorySpecificData <MrchntCtgySpcfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.39.6 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.39.7 POSConditionCode <POSCondCd>

Presence: [0..1]

Definition: A code identifying transaction conditions at the point-of-sale or point of service.

Datatype: "ISO8583POSConditionCode" on page 2127

45.1.7.39.8 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

True: Card physically present during the transaction

False: Card physically absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.9 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

True: Cardholder present during the transaction

False: Cardholder absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.10 CardholderActivated <CrdhldrActvtd>

Presence: [0..1]

Definition: Indicates whether the automated device was operated solely by the cardholder or not (for example, vending machine, automated fuel dispenser, ATM, kiosk, etc.).

True: Device operated solely by the cardholder

False: Device not operated solely by the cardholder.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.11 TransponderInitiated <TrnspndrInittd>

Presence: [0..1]

Definition: Transaction initiated through a transponder or not.

True: Transaction initiated through a transponder.

False: Transaction not initiated through a transponder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.12 Transit <Trnst>

Presence: [0..1]

Definition: Indicates a transit transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.13 Attended <Attndd>

Presence: [0..1]

Definition: Card acceptor representative in attendance at the point of service during the transaction.

When an acceptor's terminal is semi-attended (for example, multiple terminals supervised by a single clerk), it will be identified as 'attended'.

True: Attended transaction at the terminal

False: Non-attended transaction at the terminal

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.14 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: ["Max35NumericText" on page 2163](#)

45.1.7.39.15 ECommerce <EComrc>

Presence: [0..1]

Definition: Indicates whether the point of service is an e-commerce one or not:

True: e-commerce

False: non e-commerce

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.16 ECommerceIndicatorApplied <EComrcIndApld>

Presence: [0..1]

Definition: Contains the applied level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.39.17 ECommerceData <EComrcData>

Presence: [0..1]

Definition: Contains electronic commerce data.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be -valid- with respect to that definition, that is, -validate- if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.39.18 MOTOCode <MOTOCd>

Presence: [0..1]

Definition: A code that identifies the type of MOTO transaction.

Datatype: "MOTO2Code" on page 2132

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.1.7.39.19 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 2145

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.39.20 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.21 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.22 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.23 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.24 DelayedAuthorisation <DelydAuthstn>

Presence: [0..1]

Definition: Indicates whether the authorisation was delayed due to an on-board initiated transaction.

True: The authorisation was delayed

False: The authorisation was not delayed

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.25 LatePresentment <LatePresntmnt>

Presence: [0..1]

Definition: Indicates a late presentment as defined by each specific implementation.

True: Transaction was presented late

False: Transaction was not presented late

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.26 DeferredDelivery <DfrrdDlvry>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deferred.

Default: False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.27 PartialShipment <PrtlShpmnt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.28 SplitPayment <Spltpmt>

Presence: [0..1]

Definition: Also referred to as split tender. Indicates whether the payment transaction is a partial payment of the sale transaction.

True: Partial payment of a sale transaction

False: Not a partial payment of a sale transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.29 PartialApprovalSupported <PrtlApprvlSpprtd>

Presence: [0..1]

Definition: Indicates whether the point of service supports partial approval or not.

True: partial approval is supported

False: partial approval is not supported

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.30 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "SecurityCharacteristics2Code" on page 2141

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC

CodeName	Name	Definition
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.1.7.39.31 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 2163

45.1.7.39.32 AuthenticationOutage <AuthntcnOutg>

Presence: [0..1]

Definition: Indicates that the consumer authentication process is temporarily unavailable in the acceptance, acquirer or agent environment for this request. It does not indicate an outage in the issuer processing domain (including agents acting on behalf of the issuer).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.33 PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>

Presence: [0..1]

Definition: Indicates the relationship between payment credential and merchant.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.34 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

ISO 8583 bit 17

Datatype: "ISODate" on page 2151

45.1.7.39.35 DateAnticipated <DtAntcptd>

Presence: [0..1]

Definition: The date on which the sale or purchase is expected to occur.

Datatype: "ISODate" on page 2151

45.1.7.39.36 ICCFallback <ICCFllbck>

Presence: [0..1]

Definition: Indicates a chip data fallback.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.39.37 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.39.38 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.40 TravelAgency5

Definition: Travel agency component provides details of travel agency, airline, or railway transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Code <Cd>	[0..1]	Text		1747
	Assigner <Assgnr>	[0..1]	Text		1747
	IATACode <IATACd>	[0..1]	Text		1747
	Name <Nm>	[0..1]	Text		1747
	ShortName <ShrtNm>	[0..1]	Text		1747
	Address <Adr>	[0..1]	±		1747
	Contact <Ctct>	[0..1]	±		1748
	TravelPackage <TrvlPackg>	[0..*]	±		1748
	PrivateData <PrvtData>	[0..*]	(External Schema)		1749
	NationalData <NtlData>	[0..*]	(External Schema)		1749

45.1.7.40.1 Code <Cd>

Presence: [0..1]

Definition: Contains an agency code or name.

Datatype: "Max35Text" on page 2163

45.1.7.40.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Assigner of the agency code.

Datatype: "Max35Text" on page 2163

45.1.7.40.3 IATACode <IATACd>

Presence: [0..1]

Definition: Contains the International Air Transport Association (IATA) code identifying the company that purchased the ticket.

Datatype: "Max35Text" on page 2163

45.1.7.40.4 Name <Nm>

Presence: [0..1]

Definition: Name of the travel agency.

Datatype: "Max70Text" on page 2167

45.1.7.40.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the travel agency.

Datatype: "Max35Text" on page 2163

45.1.7.40.6 Address <Adr>

Presence: [0..1]

Definition: Address of the travel agency.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.40.7 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the travel agency.

Contact <Ctct> contains the following elements (see "ContactBusiness2" on page 1982 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1983
	GivenName <GvnNm>	[0..1]	Text		1983
	MiddleName <MddlNm>	[0..1]	Text		1983
	LastName <LastNm>	[0..1]	Text		1983
	Phone <Phne>	[0..1]	Text		1983
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1984
	TollFreePhone <TollFreePhne>	[0..1]	Text		1984
	Email <Email>	[0..1]	Text		1984
	Fax <Fax>	[0..1]	Text		1984
	URL <URL>	[0..1]	Text		1984
	Language <Lang>	[0..1]	CodeSet		1984

45.1.7.40.8 TravelPackage <TrvlPackg>

Presence: [0..*]

Definition: Provides detailed information about the travel package, excluding specific itinerary data.

TravelPackage <TrvlPackg> contains the following elements (see "TravelAgencyPackage2" on page 1858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReservationNumber <RsvatnNb>	[0..1]	Text		1858
	Type <Tp>	[0..1]	Text		1858
	NumberInParty <NbInPty>	[0..1]	Text		1859
	CustomerReference <CstmrRef>	[0..*]			1859
	Identification <Id>	[0..1]	Text		1859
	Detail <Dtl>	[0..1]	Text		1859
	DataSource <DataSrc>	[0..1]	Text		1859
	DeliveryOrderNumber <DlvryOrdNb>	[0..1]	Text		1859
	CreditCardSlipNumber <CdtCardSlipNb>	[0..1]	Text		1859
	Insurance <Insrnc>	[0..1]	Indicator		1860
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1860
	Fee <Fee>	[0..1]	Amount		1860

45.1.7.40.9 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.40.10 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.41 Context²⁷

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1752
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1753
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1753
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1753
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1753
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1753
	CardPresent <CardPres>	[0..1]	Indicator		1753
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1754
	CardholderActivated <CrhdldrActvtd>	[0..1]	Indicator		1754
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1754
	Transit <Trnst>	[0..1]	Indicator		1754
	Attended <Attndd>	[0..1]	Indicator		1755
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1755
	ECommerce <EComrc>	[0..1]	Indicator		1755
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1755
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1756
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1756
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1756
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1756
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1756
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1757
	NoShow <NoShow>	[0..1]	Indicator		1757
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1757
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1757
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1757
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1758
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1758
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1758
	DateAnticipated <DtAntcptd>	[0..1]	Date		1758
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1758
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1759
	StorageLocation <StorgLctn>	[0..1]	Text		1759
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1760
	PrivateData <PrvtData>	[0..*]	(External Schema)		1760
	NationalData <NtlData>	[0..*]	(External Schema)		1760

45.1.7.41.1 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data for the transaction

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless

CodeName	Name	Definition
OTHR	Other	Other card data reading mode.

45.1.7.41.2 QRCodePresentmentMode <QRcdPresntmntMd>

Presence: [0..1]

Definition: Method used to present a QR Code at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "QRCodePresentmentMode2Code" on page 2138

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.1.7.41.3 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.41.4 MerchantCategorySpecificData <MrchntCtgySpcfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.41.5 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.41.6 POSConditionCode <POSCondCd>

Presence: [0..1]

Definition: A code identifying transaction conditions at the point-of-sale or point of service.

Datatype: "ISO8583POSConditionCode" on page 2127

45.1.7.41.7 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

True: Card physically present during the transaction

False: Card physically absent during the transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.8 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

True: Cardholder present during the transaction

False: Cardholder absent during the transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.9 CardholderActivated <CrdhldrActvtd>

Presence: [0..1]

Definition: Indicates whether the automated device was operated solely by the cardholder or not (for example, vending machine, automated fuel dispenser, ATM, kiosk, etc.).

True: Device operated solely by the cardholder

False: Device not operated solely by the cardholder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.10 TransponderInitiated <TrnspndrInittd>

Presence: [0..1]

Definition: Transaction initiated through a transponder or not.

True: Transaction initiated through a transponder.

False: Transaction not initiated through a transponder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.11 Transit <Trnst>

Presence: [0..1]

Definition: Indicates a transit transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.12 Attended <Atndd>

Presence: [0..1]

Definition: Card acceptor representative in attendance at the point of service during the transaction.

When an acceptor's terminal is semi-attended (for example, multiple terminals supervised by a single clerk), it will be identified as 'attended'.

True: Attended transaction at the terminal

False: Non-attended transaction at the terminal

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.13 UnattendedLevelCategory <UatnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: ["Max35NumericText"](#) on page 2163

45.1.7.41.14 ECommerce <EComrc>

Presence: [0..1]

Definition: Indicates whether the point of service is an e-commerce one or not:

True: e-commerce

False: non e-commerce

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.15 ECommerceIndicatorProposed <EComrcIndPropsd>

Presence: [0..1]

Definition: Contains the proposed level of security of e-commerce transaction.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.41.16 ECommerceIndicatorApplied <EComrcIndApld>

Presence: [0..1]

Definition: Contains the applied level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.41.17 ECommerceData <EComrcData>

Presence: [0..1]

Definition: Contains electronic commerce data.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.41.18 MOTOCCode <MOTOCd>

Presence: [0..1]

Definition: A code that identifies the type of MOTO transaction.

Datatype: "MOTO2Code" on page 2132

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.1.7.41.19 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 2145

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.41.20 DelayedAuthorisation <DelydAuthstn>

Presence: [0..1]

Definition: Indicates whether the authorisation was delayed due to an on-board initiated transaction.

True: The authorisation was delayed

False: The authorisation was not delayed

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.21 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.22 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.23 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.24 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.25 PartialShipment <PrtlShipmnt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.26 PartialApprovalSupported <PrtlApprvlSpprtd>

Presence: [0..1]

Definition: Indicates whether the point of service supports partial approval or not.

True: partial approval is supported

False: partial approval is not supported

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.27 VATDocumentationRequest <VATDcmnttnReq>

Presence: [0..1]

Definition: Indicate the merchant's preference of the party to create VAT documentation.

Datatype: ["Max10Text"](#) on page 2158

45.1.7.41.28 VATDocumentationResponse <VATDcmnttnRspn>

Presence: [0..1]

Definition: Indicate the issuer's decision of the party to create VAT documentation.

Datatype: ["Max10Text"](#) on page 2158

45.1.7.41.29 DateAnticipated <DtAntcptd>

Presence: [0..1]

Definition: The date on which the sale or purchase is expected to occur.

Datatype: ["ISODate"](#) on page 2151

45.1.7.41.30 MaximumProcessingDate <MaxPrcgDt>

Presence: [0..1]

Definition: Contains network or scheme calculated maximum processing date when the clearing will occur.

Datatype: ["JulianDate"](#) on page 2152

45.1.7.41.31 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SecurityCharacteristics2Code"](#) on page 2141

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.

CodeName	Name	Definition
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.1.7.41.32 TemporarySecureCardDataReused <TempScrCardDataReusd>

Presence: [0..1]

Definition: Terminal has reused temporary secure stored card data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.33 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 2163

45.1.7.41.34 **PaymentCredentialMerchantRelationship <PmtCrdrntlMrchntRltsh>**

Presence: [0..1]

Definition: Indicates the relationship between payment credential and merchant.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.41.35 **PrivateData <PrvtData>**

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.41.36 **NationalData <NtlData>**

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.42 **AncillaryPurchase4**

Definition: Contains additional charges related to or during transit (e.g., baggage fee, in-flight purchase). These are separate from the original ticket purchase.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1761
	RelatedDocumentNumber <RltdDocNb>	[0..1]	Text		1761
	ServiceCategoryCode <SvcCtgyCd>	[0..1]	Text		1761
	ServiceSubCategoryCode <SvcSubCtgyCd>	[0..1]	Text		1762
	ServiceProviderServiceType <SvcPrvdrSvcTp>	[0..1]	Text		1762
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1762
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1762
	Amount <Amt>	[0..1]	Amount		1762
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1762
	Fee <Fee>	[0..1]	Amount		1762
	Tax <Tax>	[0..*]			1763
	Type <Tp>	[1..1]	CodeSet		1763
	Description <Desc>	[0..1]	Text		1768
	Exemption <Xmptn>	[0..1]	Indicator		1769
	ExemptReason <XmptRsn>	[0..1]	Text		1769
	Amount <Amt>	[1..1]	Amount		1769
	Rate <Rate>	[0..1]	Rate		1769
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1769
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1769
	PrivateData <PrvtData>	[0..*]	(External Schema)		1770
	NationalData <NtlData>	[0..*]	(External Schema)		1770

45.1.7.42.1 DocumentNumber <DocNb>

Presence: [0..1]

Definition: Contains the form number assigned by the carrier for the transaction.

Datatype: "Max15Text" on page 2160

45.1.7.42.2 RelatedDocumentNumber <RltdDocNb>

Presence: [0..1]

Definition: Document number of related transport details.

Datatype: "Max15Text" on page 2160

45.1.7.42.3 ServiceCategoryCode <SvcCtgyCd>

Presence: [0..1]

Definition: Contains an ancillary category code for the primary type of service that has been provided.

Datatype: "Max4Text" on page 2165

45.1.7.42.4 ServiceSubCategoryCode <SvcSubCtgyCd>

Presence: [0..1]

Definition: Contains ancillary service sub category code.

Datatype: "Max4Text" on page 2165

45.1.7.42.5 ServiceProviderServiceType <SvcPrvdrSvcTp>

Presence: [0..1]

Definition: Proprietary service type code assigned by the service provider.

Datatype: "Max35Text" on page 2163

45.1.7.42.6 CreditReasonCode <CdtRsnCd>

Presence: [0..1]

Definition: Indicates reason for the credit to the cardholder. Includes: ancillary purchase cancelled, passenger transport ticket and related ancillary purchase cancelled, etc.

Datatype: "Max35Text" on page 2163

45.1.7.42.7 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.42.8 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.42.9 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.42.10 Fee <Fee>

Presence: [0..1]

Definition: Subfield contains the ancillary fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.42.11 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1763
	Description <Desc>	[0..1]	Text		1768
	Exemption <Xmptn>	[0..1]	Indicator		1769
	ExemptReason <XmptRsn>	[0..1]	Text		1769
	Amount <Amt>	[1..1]	Amount		1769
	Rate <Rate>	[0..1]	Rate		1769
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1769
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1769

45.1.7.42.11.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city

CodeName	Name	Definition
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax

CodeName	Name	Definition
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.

CodeName	Name	Definition
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax

CodeName	Name	Definition
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour

CodeName	Name	Definition
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.42.11.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.42.11.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.42.11.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.42.11.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.42.11.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.42.11.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.42.11.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.42.12 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.42.13 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.43 FleetLineItem7

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Fuel <Fuel>	[1..1]	Indicator		1772
	ServiceType <SvcTp>	[0..1]	CodeSet		1772
	FuelBrandCode <FuelBrndCd>	[0..1]	Text		1772
	ProductCode <PdctCd>	[0..1]	Text		1772
	ProductCategory <PdctCtgy>	[0..1]	Text		1772
	ProductQualifier <PdctQlfr>	[0..1]	Text		1773
	ProductCodeAssigner <PdctCdAssgnr>	[0..1]	Text		1773
	UnitPriceTax <UnitPricTax>	[0..1]	Indicator		1773
	UnitPrice <UnitPric>	[0..1]	Amount		1773
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1773
	PercentageDiscountRate <PctgDscntRate>	[0..1]	Rate		1775
	PerUnitDiscountRate <PerUnitDscntRate>	[0..1]	Amount		1775
	FlatDiscountRate <FlatDscntRate>	[0..1]	Amount		1775
	CostPlusUnitDiscount <CostPlusUnitDscnt>	[0..1]	Amount		1775
	CostPlusUnitDiscountSign <CostPlusUnitDscntSgn>	[0..1]	CodeSet		1775
	CostPlusUnitPrice <CostPlusUnitPric>	[1..1]	Amount		1776
	TotalTimePluggedIn <TtlTmPlugdIn>	[0..1]	Time		1776
	TotalTimeCharging <TtlTmChrgg>	[0..1]	Time		1776
	ChargingStartTime <ChrggStartTm>	[0..1]	Time		1776
	ChargingCompletionTime <ChrggCmpltnTm>	[0..1]	Time		1776
	ProductQuantity <PdctQty>	[0..1]	Quantity		1776
	DiscountAmount <DscntAmt>	[0..1]	Amount		1776
	NonTaxable <NonTaxbl>	[0..1]	Indicator		1777
	Tax <Tax>	[0..*]			1777
	Type <Tp>	[1..1]	CodeSet		1777
	Description <Desc>	[0..1]	Text		1783
	Exemption <Xmptn>	[0..1]	Indicator		1783
	ExemptReason <XmptRsn>	[0..1]	Text		1783
	Amount <Amt>	[1..1]	Amount		1783
	Rate <Rate>	[0..1]	Rate		1783
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1784
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1784
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1784
	NetAmount <NetAmt>	[0..1]	Amount		1784

45.1.7.43.1 Fuel <Fuel>

Presence: [1..1]

Definition: Indicates whether or not the line item represents a fuel or non-fuel product or service.

True = Fuel item

False = Non-fuel item

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.43.2 ServiceType <SvcTp>

Presence: [0..1]

Definition: Type of service received at the acceptor location.

Datatype: "[FleetServiceType1Code](#)" on page 2119

CodeName	Name	Definition
SLSV	SelfService	Self service
HSDI	HighSpeedDispenser	High speed dispenser that may or may not support varying flow rates.
FLSV	FullService	Full service

45.1.7.43.3 FuelBrandCode <FuelBrndCd>

Presence: [0..1]

Definition: Code that identifies the brand of the fuel purchased.

Datatype: "[Max4Text](#)" on page 2165

45.1.7.43.4 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of fleet product or service being purchased.

Datatype: "[Max4Text](#)" on page 2165

45.1.7.43.5 ProductCategory <PdctCtgy>

Presence: [0..1]

Definition: Contains a code that identifies a category of fleet products or services.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.43.6 ProductQualifier <PdctQlfr>

Presence: [0..1]

Definition: Contains a code that identifies the product qualifier of the fleet product or service.

Datatype: ["Max6Text" on page 2167](#)

45.1.7.43.7 ProductCodeAssigner <PdctCdAssgnr>

Presence: [0..1]

Definition: Contains a code that identifies the product code assigner.

Datatype: ["Max35Text" on page 2163](#)

45.1.7.43.8 UnitPriceTax <UnitPricTax>

Presence: [0..1]

Definition: Indicates whether or not tax is included in unit price.

True: includes tax

False: does not include tax.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.43.9 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Unit price of the fleet line item.

Datatype: ["ImpliedCurrencyAndAmount" on page 2096](#)

45.1.7.43.10 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["UnitOfMeasure14Code" on page 2147](#)

CodeName	Name	Definition
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.

CodeName	Name	Definition
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
INCH	Inch	Measure of length equal to 2.54 cm.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
FOOT	Foot	Unit of length equal to 1/3 yard.
MILE	Mile	Unit of length equal to 1, 760 yards.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
ARES	Are	Unit of measure equal to a 100 square meters.

CodeName	Name	Definition
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
CHMT	ChargingMinutes	EV Charging minutes.

45.1.7.43.11 PercentageDiscountRate <PctgDscntRate>

Presence: [0..1]

Definition: Contains the discount rate in retail minus discount method.

Datatype: "PercentageRate" on page 2154

45.1.7.43.12 PerUnitDiscountRate <PerUnitDscntRate>

Presence: [0..1]

Definition: Contains unit discount per unit amount in retail minus discount model.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.13 FlatDiscountRate <FlatDscntRate>

Presence: [0..1]

Definition: Contains discount amount per transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.14 CostPlusUnitDiscount <CostPlusUnitDscnt>

Presence: [0..1]

Definition: Contains the unit discount per unite amount in cost plus discount method.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.15 CostPlusUnitDiscountSign <CostPlusUnitDscntSgn>

Presence: [0..1]

Definition: Contain the sign of cost plus unite discount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.43.16 CostPlusUnitPrice <CostPlusUnitPric>

Presence: [1..1]

Definition: Contains unit price in cost plus discount method.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.17 TotalTimePluggedIn <TtlTmPlugdIn>

Presence: [0..1]

Definition: Contains the total time the vehicle was plugged in.

Datatype: "ISOTime" on page 2169

45.1.7.43.18 TotalTimeCharging <TtlTmChrgg>

Presence: [0..1]

Definition: Contain the actual total time taken to charge the vehicle.

Datatype: "ISOTime" on page 2169

45.1.7.43.19 ChargingStartTime <ChrggStartTm>

Presence: [0..1]

Definition: Contains the start time of the charge.

Datatype: "ISOTime" on page 2169

45.1.7.43.20 ChargingCompletionTime <ChrggCmpltnTm>

Presence: [0..1]

Definition: Contains the completion time of the charge.

Datatype: "ISOTime" on page 2169

45.1.7.43.21 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 2152

45.1.7.43.22 DiscountAmount <DscntAmt>

Presence: [0..1]

Definition: Contains the discount amount applied to the fleet transaction (includes coupons).

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.23 NonTaxable <NonTaxbl>

Presence: [0..1]

Definition: Indicates whether or not amount of fleet purchase is taxable.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.43.24 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1777
	Description <Desc>	[0..1]	Text		1783
	Exemption <Xmptn>	[0..1]	Indicator		1783
	ExemptReason <XmptRsn>	[0..1]	Text		1783
	Amount <Amt>	[1..1]	Amount		1783
	Rate <Rate>	[0..1]	Rate		1783
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1783
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1784

45.1.7.43.24.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["AddendumTaxType4Code"](#) on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.

CodeName	Name	Definition
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.

CodeName	Name	Definition
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.

CodeName	Name	Definition
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.

CodeName	Name	Definition
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax

CodeName	Name	Definition
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.

CodeName	Name	Definition
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.43.24.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.43.24.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.43.24.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 2163

45.1.7.43.24.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.24.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 2154

45.1.7.43.24.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.43.24.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.43.25 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.26 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.43.27 NetAmount <NetAmt>

Presence: [0..1]

Definition: Contains net line item, less any taxes exempted or discounts.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.44 VehicleRentalAdditionalAmount1

Definition: Contain additional amount information of the vehicle rental service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1784
	Amount <Amt>	[0..1]	Amount		1786
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1786
	CustomerNotified <CstmrNtfcd>	[0..1]	Indicator		1786

45.1.7.44.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CarRentalServiceType3Code" on page 2112

CodeName	Name	Definition
ADJM	Adjustment	Rental amount adjustment

CodeName	Name	Definition
AUTH	Authorised	Authorised amount
BAST	BabySeat	Baby seat.
CLEA	Cleaning	Extra charges due to the need to clean the car.
DMGS	Damage	Charge for damages
DLVR	Delivery	Charge for delivery of rental vehicle
DPOF	DropOff	Drop off charges
ENTE	Entertainment	Entertainment
EXTC	ExtraCharges	Extra charges
EXDY	ExtraDays	Charges for extra days
EXDI	ExtraDistance	Charges for additional distance
EXHR	ExtraHours	Charges for extra hours
FINE	Fines	Police and related fines or violation fees re invoiced by vehicle rental company.
FUEL	Fuel	Fuel
GARA	Garage	Garage
GPSY	GlobalPositioningSystem	Global Positioning System (GPS)
INSU	Insurance	Insurance
LATE	LateReturn	Car returned late.
LIIN	LiabilityInsurance	Charges for liability insurance
LDIN	LossDamageInsurance	Charges for Loss Damage Insurance
MISC	Miscellaneous	Miscellaneous charges
NAVI	Navigation	Charges for navigation system
NOSH	NoShow	Customer no-show charges.
ONEW	OneWay	Drop-off charges.
PARK	Parking	Parking charges.
PRIN	PersonalAccidentInsurance	Personal Accident Insurance
PFIN	PersonalEffectsInsurance	Personal Effects Insurance
PHON	Phone	On-board telephone service.
REGD	RegularDistance	Charges for regular distance
SMOK	Smoking	Extra charges due to smoking in the car.
TOLL	Tolls	Charges for tolls
TOWI	Towing	Extra charges due to car towing.
EXTR	ExtraMileage	Charges for Extra miles or kilometers.
TRAN	Transportation	Extra charges due to transportation by bus, coach, taxi, limousine, taxi, shuttle, etc.

CodeName	Name	Definition
MILE	Mileage	Miles or kilometers charges.
INTE	Internet	On-board internet.

45.1.7.44.2 Amount <Amt>

Presence: [0..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.44.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.44.4 CustomerNotified <CstmrNtf>

Presence: [0..1]

Definition: Indicates whether or not the customer was notified about additional amounts.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45 Context30

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1788
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1789
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	CodeSet		1789
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1789
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1789
	CardPresent <CardPres>	[0..1]	Indicator		1790
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1790
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1790
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1790
	Transit <Trnst>	[0..1]	Indicator		1791
	Attended <Atndd>	[0..1]	Indicator		1791
	UnattendedLevelCategory <UatndddLvlCtgy>	[0..1]	Text		1791
	ECommerce <EComrc>	[0..1]	Indicator		1791
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1792
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1792
	ECommerceData <EComrcData>	[0..*]			1792
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792
	MOTOCODE <MOTOCd>	[0..1]	CodeSet		1792
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		1793
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1793
	NoShow <NoShow>	[0..1]	Indicator		1793
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1793
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1793
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1793
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1794
	DeferredDelivery <DfrddDlvry>	[0..1]	Indicator		1794
	PartialShipment <PrtlShpmt>	[0..1]	Indicator		1794
	SplitPayment <Spltpmt>	[0..1]	Indicator		1795
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1795
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1795

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StorageLocation <StorgLctn>	[0..1]	Text		1796
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1796
	PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>	[0..1]	Indicator		1796
	CaptureDate <CaptrDt>	[0..1]	Date		1797
	DateAnticipated <DtAntcptd>	[0..1]	Date		1797
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1797
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1797
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1797
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1797
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1798
	ReceiptRequest <RctReq>	[0..1]	Indicator		1798
	ReceiptType <RctTp>	[0..*]	CodeSet		1798
	ReceiptDestination <RctDstn>	[0..1]	Text		1799
	PrivateData <PrvtData>	[0..*]	(External Schema)		1799
	NationalData <NtlData>	[0..*]	(External Schema)		1799

45.1.7.45.1 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data for the transaction, P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.

CodeName	Name	Definition
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.7.45.2 QRCodePresentmentMode <QRCDPresntmntMd>

Presence: [0..1]

Definition: Method used to present a QR Code at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "QRCodePresentmentMode2Code" on page 2138

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.1.7.45.3 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.45.4 MerchantCategorySpecificData <MrchntCtgySpfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.45.5 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.45.6 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

True: Card physically present during the transaction

False: Card physically absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.7 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

True: Cardholder present during the transaction

False: Cardholder absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.8 CardholderActivated <CrdhldrActvtd>

Presence: [0..1]

Definition: Indicates whether the automated device was operated solely by the cardholder or not (for example, vending machine, automated fuel dispenser, ATM, kiosk, etc.).

True: Device operated solely by the cardholder

False: Device not operated solely by the cardholder.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.9 TransponderInitiated <TrnspndrInitttd>

Presence: [0..1]

Definition: Transaction initiated through a transponder or not.

True: Transaction initiated through a transponder.

False: Transaction not initiated through a transponder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.10 Transit <Trnst>

Presence: [0..1]

Definition: Indicates a transit transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.11 Attended <Attndd>

Presence: [0..1]

Definition: Card acceptor representative in attendance at the point of service during the transaction.

When an acceptor's terminal is semi-attended (for example, multiple terminals supervised by a single clerk), it will be identified as 'attended'.

True: Attended transaction at the terminal

False: Non-attended transaction at the terminal

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.12 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: ["Max35NumericText" on page 2163](#)

45.1.7.45.13 ECommerce <EComrc>

Presence: [0..1]

Definition: Indicates whether the point of service is an e-commerce one or not:

True: e-commerce

False: non e-commerce

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.14 ECommerceIndicatorProposed <EComrcIndPropsd>

Presence: [0..1]

Definition: Contains the proposed level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.45.15 ECommerceIndicatorApplied <EComrcIndApld>

Presence: [0..1]

Definition: Contains the applied level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.45.16 ECommerceData <EComrcData>

Presence: [0..*]

Definition: Contains electronic commerce data.

ECommerceData <EComrcData> contains the following **ECommerceData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1792
	Value <Val>	[1..1]	Text		1792

45.1.7.45.16.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 2163

45.1.7.45.16.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 2161

45.1.7.45.17 MOTOCCode <MOTOCd>

Presence: [0..1]

Definition: A code that identifies the type of MOTO transaction.

Datatype: "MOTO2Code" on page 2132

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.1.7.45.18 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 2145

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.45.19 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.20 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.21 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.22 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.23 DelayedAuthorisation <DelydAuthstn>

Presence: [0..1]

Definition: Indicates whether the authorisation was delayed due to an on-board initiated transaction.

True: The authorisation was delayed

False: The authorisation was not delayed

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.24 LatePresentment <LatePresntmnt>

Presence: [0..1]

Definition: Indicates a late presentment as defined by each specific implementation.

True: Transaction was presented late

False: Transaction was not presented late

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.25 DeferredDelivery <DfrdDlvry>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deferred.

Default: False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.26 PartialShipment <PrtlShipmnt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.27 SplitPayment <SpltPmt>

Presence: [0..1]

Definition: Also referred to as split tender. Indicates whether the payment transaction is a partial payment of the sale transaction.

True: Partial payment of a sale transaction

False: Not a partial payment of a sale transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.28 PartialApprovalSupported <PrtlApprvlSpprtd>

Presence: [0..1]

Definition: Indicates whether the point of service supports partial approval or not.

True: partial approval is supported

False: partial approval is not supported

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.29 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SecurityCharacteristics2Code"](#) on page 2141

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.

CodeName	Name	Definition
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.1.7.45.30 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 2163

45.1.7.45.31 AuthenticationOutage <AuthntcnOutg>

Presence: [0..1]

Definition: Indicates that the consumer authentication process is temporarily unavailable in the acceptance, acquirer or agent environment for this request. It does not indicate an outage in the issuer processing domain (including agents acting on behalf of the issuer).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.32 PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>

Presence: [0..1]

Definition: Indicates the relationship between payment credential and merchant.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.33 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

ISO 8583 bit 17

Datatype: "ISODate" on page 2151

45.1.7.45.34 DateAnticipated <DtAntcptd>

Presence: [0..1]

Definition: The date on which the sale or purchase is expected to occur.

Datatype: "ISODate" on page 2151

45.1.7.45.35 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 2163

45.1.7.45.36 GoodsAndServicesType <GoodsAndSvcstP>

Presence: [0..1]

Definition: Type of goods and/or services.

Datatype: "GoodsAndServices1Code" on page 2122

CodeName	Name	Definition
ELEC	Electronic	Electronic goods and services.
PHYS	Physical	Physical goods or services.
ELPH	ElectronicAndPhysical	Electronic and physical goods and services.

45.1.7.45.37 GoodsAndServicesSubType <GoodsAndSvcstSubTp>

Presence: [0..1]

Definition: Sub type of goods and/or services. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "GoodsAndServicesSubType2Code" on page 2123

CodeName	Name	Definition
CRCU	CryptoCurrency	Sub type applied is cryptocurrency.
FORX	ForeignExchange	Sub type applied is foreign exchange.
SECS	Securities	Sub type applied is securities.

45.1.7.45.38 GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>

Presence: [0..1]

Definition: Code that specifies the good or service delivery channel.

Datatype: "GoodAndServiceDeliveryChannel2Code" on page 2122

CodeName	Name	Definition
EDEL	ElectronicDelivery.	Electronic delivery.
PULC	LocalPickUp	Pick up locally
NDEL	NoDelivery	No delivery.
SCBA	ShippingToCardholderBillingAddress	Shipping to cardholder billing address
SCSA	ShippingToConsumerSpecifiedShippingAddress	Shipping to consumer specified shipping address

45.1.7.45.39 GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>

Presence: [0..1]

Definition: Code that specifies the good or service delivery schedule. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "GoodAndServiceDeliverySchedule2Code" on page 2122

CodeName	Name	Definition
ONDL	OvernightDelivery	Overnight delivery.
SDDL	SameDayDelivery	Same day delivery.
TDDL	TwoDaysOrMoreDelivery	Two days or more delivery.

45.1.7.45.40 ReceiptRequest <RctReq>

Presence: [0..1]

Definition: Indicates whether a receipt from the goods or services provider was requested.

True: Receipt requested

False: Receipt not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.45.41 ReceiptType <RctTp>

Presence: [0..*]

Definition: Type of receipt requested or communication channel used.

Datatype: "ReceiptType1Code" on page 2138

CodeName	Name	Definition
EMAL	Email	Receipt transmitted by Email.
OTHR	Other	Other type of channel to transmit receipt information to the recipient.
PAPR	Paper	Receipt in a paper form.
SMSM	SMS	Receipt transmitted by SMS message.

CodeName	Name	Definition
URID	UniformResourceIdentifier	Receipt transmitted to a Uniform Resource Identifier (URI) address.

45.1.7.45.42 ReceiptDestination <RctDstn>

Presence: [0..1]

Definition: Destination of the receipt (for example, e-mail address, SMS number, etc.).

Datatype: "Max70Text" on page 2167

45.1.7.45.43 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.45.44 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.46 AdditionalEnteredFleetData¹

Definition: Additional information entered for fleet transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Numeric <Nmrc>	[0..1]	Text		1799
	AlphaNumeric <AlphaNmrc>	[0..1]	Text		1800
	PrivateData <PrvtData>	[0..*]	(External Schema)		1800
	NationalData <NtlData>	[0..*]	(External Schema)		1800

45.1.7.46.1 Numeric <Nmrc>

Presence: [0..1]

Definition: Key-entered numeric data.

Datatype: "Max35NumericText" on page 2163

45.1.7.46.2 AlphaNumeric <AlphaNmrc>

Presence: [0..1]

Definition: Key-entered alphanumeric data.

Datatype: "Max350Text" on page 2163

45.1.7.46.3 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.46.4 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.47 FleetDriverData2

Definition: Fleet vehicle driver.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1801
	Identification <Id>	[0..1]	Text		1801
	LicenseType <LicTp>	[0..1]	Text		1801
	LicenseForm <LicForm>	[0..1]	CodeSet		1802
	LicenseIdentification <LicId>	[0..1]	Text		1802
	LicenseAssigner <LicAssgnr>	[0..1]	CodeSet		1802
	LicenseIssuanceDate <LicIssncDt>	[0..1]	Date		1802
	LicenseExpirationDate <LicXprtnDt>	[0..1]	Date		1802
	LicenseCountry <LicCtry>	[0..1]	CodeSet		1802
	LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>	[0..1]	CodeSet		1803
	LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>	[0..1]	CodeSet		1803
	LicenseOtherAuthority <LicOthrAuthrty>	[0..1]	Text		1803
	Employer <Mplyr>	[0..1]	Text		1803
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1803
	DepartmentNumber <DeptNb>	[0..1]	Text		1803
	AdditionalIdentification <AddtlId>	[0..*]	±		1803
	DateOfBirth <DtOfBirth>	[0..1]	Date		1804
	PrivateData <PrvtData>	[0..*]	(External Schema)		1804
	NationalData <NtlData>	[0..*]	(External Schema)		1804

45.1.7.47.1 Name <Nm>

Presence: [0..1]

Definition: Name of fleet driver.

Datatype: "Max105Text" on page 2157

45.1.7.47.2 Identification <Id>

Presence: [0..1]

Definition: Fleet driver identification.

Datatype: "Max70Text" on page 2167

45.1.7.47.3 LicenseType <LicTp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: "Max70Text" on page 2167

45.1.7.47.4 LicenseForm <LicForm>

Presence: [0..1]

Definition: Form of driving license.

Datatype: "PresentationMedium2Code" on page 2136

CodeName	Name	Definition
BIOM	Biometric	Biometric medium.
ELEC	Electronic	Presentation is made electronically.
PAPR	Paper	Presentation is made on paper.
BOTH	PaperElectronic	Presentation is made on paper and/or electronically.

45.1.7.47.5 LicenseIdentification <LicId>

Presence: [0..1]

Definition: Identification of the driver license (for example, driver license number).

Datatype: "Max70Text" on page 2167

45.1.7.47.6 LicenseAssigner <LicAssgnr>

Presence: [0..1]

Definition: Authority assigning an identification to a driver license.

Datatype: "LegalStructure1Code" on page 2129

CodeName	Name	Definition
STAE	State	Legal structure is a state.
PVIN	Province	Legal structure is a province.
MUNI	Municipal	Legal structure is a municipal.
CNTY	County	Legal structure is a county.
NATI	National	Legal structure is a state.

45.1.7.47.7 LicenseIssuanceDate <LicIssncDt>

Presence: [0..1]

Definition: Date of issuance of the driving license.

Datatype: "ISODate" on page 2151

45.1.7.47.8 LicenseExpirationDate <LicXprtnDt>

Presence: [0..1]

Definition: Expiration date of the driving license (if and when relevant).

Datatype: "ISODate" on page 2151

45.1.7.47.9 LicenseCountry <LicCtry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.7.47.10 LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>

Presence: [0..1]

Definition: Country Sub Division major issuing the driver license (if and when relevant).

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.47.11 LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>

Presence: [0..1]

Definition: Country Sub Division minor issuing the driver license (if and when relevant).

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.7.47.12 LicenseOtherAuthority <LicOthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 2160

45.1.7.47.13 Employer <Mplyr>

Presence: [0..1]

Definition: Contains the employer information.

Datatype: "Max70Text" on page 2167

45.1.7.47.14 EmployeeIdentification <Mplyeeld>

Presence: [0..1]

Definition: Contains the employee identification number as assigned by the fleet operator.

Datatype: "Max70Text" on page 2167

45.1.7.47.15 DepartmentNumber <DeptNb>

Presence: [0..1]

Definition: Contains the fleet driver's department number as assigned by the fleet operator.

Datatype: "Max35Text" on page 2163

45.1.7.47.16 AdditionalIdentification <Addtlld>

Presence: [0..*]

Definition: Additional identification used for the driver.

AdditionalIdentification <AddtId> contains the following elements (see "TravelDocument3" on page 1683 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1684
	Form <Form>	[0..1]	CodeSet		1684
	Identification <Id>	[1..1]	Text		1685
	Assigner <Assgnr>	[0..1]	Text		1685
	IssuanceDate <IssncDt>	[0..1]	Date		1685
	ExpirationDate <XprtnDt>	[0..1]	Date		1685
	Country <Ctry>	[0..1]	CodeSet		1685

45.1.7.47.17 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: "ISODate" on page 2151

45.1.7.47.18 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.47.19 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.48 Context26

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1807
	QRCodePresentmentMode <QRCDPresntmntMd>	[0..1]	CodeSet		1807
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	CodeSet		1808
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		1808
	OtherMerchantCategory <OthrMrchntCtgy>	[0..1]	Text		1808
	POSConditionCode <POSCondCd>	[0..1]	CodeSet		1808
	CardPresent <CardPres>	[0..1]	Indicator		1808
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1809
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1809
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1809
	Transit <Trnst>	[0..1]	Indicator		1809
	TransportationMode <TrnsprtnMd>	[0..1]	Text		1810
	EVCharging <EVChrgg>	[0..1]	Indicator		1810
	Attended <Attndd>	[0..1]	Indicator		1810
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1810
	ECommerce <EComrc>	[0..1]	Indicator		1810
	ECommerceIndicatorProposed <EComrcIndPropsd>	[0..1]	Text		1811
	ECommerceIndicatorApplied <EComrcIndApld>	[0..1]	Text		1811
	ECommerceData <EComrcData>	[0..1]	(External Schema)		1811
	MOTOCCode <MOTOCd>	[0..1]	CodeSet		1811
	FinalAuthorisation <FnlAuthstn>	[0..1]	Indicator		1811
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		1812
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		1812
	DelayedCharges <DelydChrgs>	[0..1]	Indicator		1812
	NoShow <NoShow>	[0..1]	Indicator		1812
	Reauthorisation <Reauthstn>	[0..1]	Indicator		1812
	ReSubmission <ReSubmissn>	[0..1]	Indicator		1813
	DelayedAuthorisation <DelydAuthstn>	[0..1]	Indicator		1813
	LatePresentment <LatePresntmnt>	[0..1]	Indicator		1813
	DeferredDelivery <Dfrddlvry>	[0..1]	Indicator		1813
	PartialShipment <PrtlShipmnt>	[0..1]	Indicator		1814

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SplitPayment <SpltPmt>	[0..1]	Indicator		1814
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1814
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1814
	TemporarySecureCardDataReused <TempScrCardDataReusd>	[0..1]	Indicator		1815
	StorageLocation <StorgLctn>	[0..1]	Text		1815
	PaymentCredentialMerchantRelationship <PmtCrntlMrchntRltsh>	[0..1]	Indicator		1816
	PINPadInoperable <PINPadInprbl>	[0..1]	Indicator		1816
	PINEntryBypass <PINNtryBpss>	[0..1]	Indicator		1816
	ICCFallback <ICCFllbck>	[0..1]	Indicator		1816
	ICCFallbackReasonCode <ICCFllbckRsnCd>	[0..1]	CodeSet		1816
	MagneticStripeFallback <MgnstcStrpFllbck>	[0..1]	Indicator		1817
	AuthenticationOutage <AuthntcnOutg>	[0..1]	Indicator		1817
	PayByLink <PayByLk>	[0..1]	Indicator		1817
	OnUS <OnUS>	[0..1]	Indicator		1817
	AutoFill <AutoFill>	[0..1]	Indicator		1818
	VATDocumentationRequest <VATDcmnttnReq>	[0..1]	Text		1818
	VATDocumentationResponse <VATDcmnttnRspn>	[0..1]	Text		1818
	ExtendedAuthorisation <XtndedAuthstn>	[0..1]	Indicator		1818
	CaptureDate <CaptrDt>	[0..1]	Date		1818
	DateAnticipated <DtAntcptd>	[0..1]	Date		1818
	MaximumProcessingDate <MaxPrcgDt>	[0..1]	Date		1818
	ECRIdentification <ECRIId>	[0..1]	Text		1819
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		1819
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		1819
	GoodsAndServicesSubType <GoodsAndSvcsSubTp>	[0..1]	CodeSet		1819
	GoodAndServiceDeliveryChannel <GoodAndSvcDlvryChanl>	[0..1]	CodeSet		1819
	GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>	[0..1]	CodeSet		1820
	ReceiptRequest <RctReq>	[0..1]	Indicator		1820
	ReceiptType <RctTp>	[0..*]	CodeSet		1820
	ReceiptDestination <RctDstrn>	[0..1]	Text		1820

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1821
	NationalData <NtlData>	[0..*]	(External Schema)		1821

45.1.7.48.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode of the card data for the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.7.48.2 QRCodePresentmentMode <QRCDPresntmntMd>

Presence: [0..1]

Definition: Method used to present a QR Code at the point of service.

Datatype: "QRCodePresentmentMode2Code" on page 2138

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.1.7.48.3 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction in accordance with ISO 18245.

Datatype: "ISO18245MerchantCategoryCode" on page 2124

45.1.7.48.4 MerchantCategorySpecificData <MrchntCtgySpfcData>

Presence: [0..1]

Definition: Further details about the merchant that is used in with the merchant category code (MCC) for the particular purchase.

Datatype: "Max35Text" on page 2163

45.1.7.48.5 OtherMerchantCategory <OthrMrchntCtgy>

Presence: [0..1]

Definition: Other merchant category assigned by local or national scheme.

Datatype: "Max35Text" on page 2163

45.1.7.48.6 POSConditionCode <POSCondCd>

Presence: [0..1]

Definition: A code identifying transaction conditions at the point-of-sale or point of service.

Datatype: "ISO8583POSConditionCode" on page 2127

45.1.7.48.7 CardPresent <CardPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated by a card physically present or not.

True: Card physically present during the transaction

False: Card physically absent during the transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.8 CardholderPresent <CrdhldrPres>

Presence: [0..1]

Definition: Indicates whether the transaction has been initiated in presence of the cardholder or not.

True: Cardholder present during the transaction

False: Cardholder absent during the transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.9 CardholderActivated <CrdhldrActvtd>

Presence: [0..1]

Definition: Indicates whether the automated device was operated solely by the cardholder or not (for example, vending machine, automated fuel dispenser, ATM, kiosk, etc.).

True: Device operated solely by the cardholder

False: Device not operated solely by the cardholder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.10 TransponderInitiated <TrnspndrInittd>

Presence: [0..1]

Definition: Transaction initiated through a transponder or not.

True: Transaction initiated through a transponder.

False: Transaction not initiated through a transponder.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.11 Transit <Trnst>

Presence: [0..1]

Definition: Indicates a transit transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.12 TransportationMode <TrnsprtnMd>

Presence: [0..1]

Definition: Indicates the transportation mode for a transit transaction.

Datatype: "Max2NumericText" on page 2162

45.1.7.48.13 EVCharging <EVChrgg>

Presence: [0..1]

Definition: Indicate the transaction includes EV charging.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.14 Attended <Attndd>

Presence: [0..1]

Definition: Card acceptor representative in attendance at the point of service during the transaction.

When an acceptor's terminal is semi-attended (for example, multiple terminals supervised by a single clerk), it will be identified as 'attended'.

True: Attended transaction at the terminal

False: Non-attended transaction at the terminal

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.15 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: "Max35NumericText" on page 2163

45.1.7.48.16 ECommerce <EComrc>

Presence: [0..1]

Definition: Indicates whether the point of service is an e-commerce one or not:

True: e-commerce

False: non e-commerce

Default: False

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.17 ECommerceIndicatorProposed <EComrcIndPropsd>

Presence: [0..1]

Definition: Contains the proposed level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.48.18 ECommerceIndicatorApplied <EComrcIndApld>

Presence: [0..1]

Definition: Contains the applied level of security of e-commerce transaction.

Datatype: "Max35Text" on page 2163

45.1.7.48.19 ECommerceData <EComrcData>

Presence: [0..1]

Definition: Contains electronic commerce data.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.48.20 MOTOCCode <MOTOCd>

Presence: [0..1]

Definition: A code that identifies the type of MOTO transaction.

Datatype: "MOTO2Code" on page 2132

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.1.7.48.21 FinalAuthorisation <FnIAuthstn>

Presence: [0..1]

Definition: Identifies final authorisation messages for the purpose of managing open-to buy or available balance.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.22 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Notifies the express consent of the customer for a given service (used in DCC, funds transfers, money lending, etc.).

True: Explicit customer consent obtained

False: Implicit customer consent obtained

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.23 TransactionInitiator <Txlnitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: ["TransactionInitiator1Code" on page 2145](#)

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.1.7.48.24 DelayedCharges <DelydChrgs>

Presence: [0..1]

Definition: Indicates a delayed charge.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.25 NoShow <NoShow>

Presence: [0..1]

Definition: Indicates that the cardholder failed to arrive at the property and was therefore charged a no-show fee; property was not actually rented.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.26 Reauthorisation <Reauthstn>

Presence: [0..1]

Definition: Indicates a reauthorisation.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.27 ReSubmission <ReSubmissn>

Presence: [0..1]

Definition: Indicates a resubmission.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.28 DelayedAuthorisation <DelydAuthstn>

Presence: [0..1]

Definition: Indicates whether the authorisation was delayed due to an on-board initiated transaction.

True: The authorisation was delayed

False: The authorisation was not delayed

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.29 LatePresentment <LatePresntmnt>

Presence: [0..1]

Definition: Indicates a late presentment as defined by each specific implementation.

True: Transaction was presented late

False: Transaction was not presented late

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.30 DeferredDelivery <DfrddDlvry>

Presence: [0..1]

Definition: Indicates a deferred delivery as defined by each specific implementation.

True: deferred delivery.

False: Delivery is not identified as deferred.

Default: False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.31 PartialShipment <PrtlShipmnt>

Presence: [0..1]

Definition: Indicates the partial shipment.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.32 SplitPayment <Spltpmt>

Presence: [0..1]

Definition: Also referred to as split tender. Indicates whether the payment transaction is a partial payment of the sale transaction.

True: Partial payment of a sale transaction

False: Not a partial payment of a sale transaction.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.33 PartialApprovalSupported <PrtlApprvlSpprtd>

Presence: [0..1]

Definition: Indicates whether the point of service supports partial approval or not.

True: partial approval is supported

False: partial approval is not supported

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.34 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SecurityCharacteristics2Code" on page 2141](#)

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.1.7.48.35 TemporarySecureCardDataReused <TempScrCardDataReusd>

Presence: [0..1]

Definition: Terminal has reused temporary secure stored card data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.36 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 2163

45.1.7.48.37 PaymentCredentialMerchantRelationship <PmtCrdntlMrchntRltsh>

Presence: [0..1]

Definition: Indicates the relationship between payment credential and merchant.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.38 PINPadInoperable <PINPadInprbl>

Presence: [0..1]

Definition: PIN pad is inoperable.

Default: False - PIN pad is operable.

True: PIN pad is inoperable.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.39 PINEntryBypass <PINNtryBpss>

Presence: [0..1]

Definition: Indicate the PIN entry bypass.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.40 ICCFallback <ICCFilbck>

Presence: [0..1]

Definition: Indicates a chip data fallback.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.41 ICCFallbackReasonCode <ICCFilbckRsnCd>

Presence: [0..1]

Definition: A code that provides the reason of ICC fallback. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ICCFallbackReason2Code" on page 2123

CodeName	Name	Definition
CIIA	ChoosingIncorrectICApplication	Choosing incorrect IC application.
EDIP	ErrorDuringICAppProcessing.	Error during IC app processing.
TERI	TerminalErrorReadingICData	Terminal error reading IC data.

45.1.7.48.42 MagneticStripeFallback <MgntcStrpFilbck>

Presence: [0..1]

Definition: Indicates a magnetic stripe fallback.

True: Fallback

False: No fallback

Default: False

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.43 AuthenticationOutage <AuthntcnOutg>

Presence: [0..1]

Definition: Indicates that the consumer authentication process is temporarily unavailable in the acceptance, acquirer or agent environment for this request. It does not indicate an outage in the issuer processing domain (including agents acting on behalf of the issuer).

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.44 PayByLink <PayByLk>

Presence: [0..1]

Definition: Indicate the transaction is completed through pay by link method.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.45 OnUS <OnUS>

Presence: [0..1]

Definition: Indicate the acquirer and the issuer of the transaction are same entity

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.46 AutoFill <AutoFill>

Presence: [0..1]

Definition: Indicate PAN data entered through auto fill.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.47 VATDocumentationRequest <VATDcmnttnReq>

Presence: [0..1]

Definition: Indicate the merchant's preference of the party to create VAT documentation.

Datatype: ["Max10Text" on page 2158](#)

45.1.7.48.48 VATDocumentationResponse <VATDcmnttnRspn>

Presence: [0..1]

Definition: Indicate the issuer's decision of the party to create VAT documentation.

Datatype: ["Max10Text" on page 2158](#)

45.1.7.48.49 ExtendedAuthorisation <XtndedAuthstn>

Presence: [0..1]

Definition: Indicates the merchant request to extend authorisation validity period.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.50 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

Datatype: ["ISODate" on page 2151](#)

45.1.7.48.51 DateAnticipated <DtAntcptd>

Presence: [0..1]

Definition: The date on which the sale or purchase is expected to occur.

Datatype: ["ISODate" on page 2151](#)

45.1.7.48.52 MaximumProcessingDate <MaxPrcgDt>

Presence: [0..1]

Definition: Contains network or scheme calculated maximum processing date when the clearing will occur.

Datatype: ["JulianDate" on page 2152](#)

45.1.7.48.53 ECRIdentification <ECRId>

Presence: [0..1]

Definition: Identification of the sale terminal (electronic cash register or point of sale terminal) or the sale system.

Datatype: "Max35Text" on page 2163

45.1.7.48.54 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 2163

45.1.7.48.55 GoodsAndServicesType <GoodsAndSvcsTp>

Presence: [0..1]

Definition: Type of goods and/or services.

Datatype: "GoodsAndServices1Code" on page 2122

CodeName	Name	Definition
ELEC	Electronic	Electronic goods and services.
PHYS	Physical	Physical goods or services.
ELPH	ElectronicAndPhysical	Electronic and physical goods and services.

45.1.7.48.56 GoodsAndServicesSubType <GoodsAndSvcsSubTp>

Presence: [0..1]

Definition: Sub type of goods and/or services. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "GoodsAndServicesSubType2Code" on page 2123

CodeName	Name	Definition
CRCU	CryptoCurrency	Sub type applied is cryptocurrency.
FORX	ForeignExchange	Sub type applied is foreign exchange.
SECS	Securities	Sub type applied is securities.

45.1.7.48.57 GoodAndServiceDeliveryChannel <GoodAndSvcDlrvyChanl>

Presence: [0..1]

Definition: Code that specifies the good or service delivery channel. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "GoodAndServiceDeliveryChannel2Code" on page 2122

CodeName	Name	Definition
EDEL	ElectronicDelivery.	Electronic delivery.
PULC	LocalPickUp	Pick up locally
NDEL	NoDelivery	No delivery.

CodeName	Name	Definition
SCBA	ShippingToCardholderBillingAddress	Shipping to cardholder billing address
SCSA	ShippingToConsumerSpecifiedShippingAddress	Shipping to consumer specified shipping address

45.1.7.48.58 GoodAndServiceDeliverySchedule <GoodAndSvcDlvrySchdl>

Presence: [0..1]

Definition: Code that specifies the good or service delivery schedule.

Datatype: "GoodAndServiceDeliverySchedule2Code" on page 2122

CodeName	Name	Definition
ONDL	OvernightDelivery	Overnight delivery.
SDDL	SameDayDelivery	Same day delivery.
TDDL	TwoDaysOrMoreDelivery	Two days or more delivery.

45.1.7.48.59 ReceiptRequest <RctReq>

Presence: [0..1]

Definition: Indicates whether a receipt from the goods or services provider was requested.

True: Receipt requested

False: Receipt not requested.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.48.60 ReceiptType <RctTp>

Presence: [0..*]

Definition: Type of receipt requested or communication channel used.

Datatype: "ReceiptType1Code" on page 2138

CodeName	Name	Definition
EMAL	EMail	Receipt transmitted by Email.
OTHR	Other	Other type of channel to transmit receipt information to the recipient.
PAPR	Paper	Receipt in a paper form.
SMSM	SMS	Receipt transmitted by SMS message.
URID	UniformResourceIdentifier	Receipt transmitted to a Uniform Resource Identifier (URI) address.

45.1.7.48.61 ReceiptDestination <RctDstn>

Presence: [0..1]

Definition: Destination of the receipt (for example, e-mail address, SMS number, etc.).

Datatype: "Max70Text" on page 2167

45.1.7.48.62 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.48.63 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.7.49 ReportContent3

Definition: Contains the content of a report.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReportLineSequence <RptLineSeq>	[0..1]	Text		1822
	Text <Txt>	[0..1]	Text		1822
	Binary <Binry>	[0..1]	Binary		1822
	ProtectedData <PrctcdData>	[0..1]			1823
	Control <Ctrl>	[0..1]	Text		1823
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1823
	DerivedInformation <DrvdInf>	[0..1]	Text		1824
	Algorithm <Algo>	[0..1]	Text		1824
	KeyLength <KeyLngth>	[0..1]	Text		1824
	KeyProtection <KeyPrctn>	[0..1]	Text		1824
	KeyIndex <KeyIndx>	[0..1]	Text		1824
	PaddingMethod <PddgMtd>	[0..1]	Text		1824
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1824
	EncryptedElement <NcrptdElmt>	[1..*]			1825
	Identification <Id>	[0..1]	Text		1825
	Data <Data>	[1..1]			1825
{Or	Binary <Binry>	[1..1]	Binary		1825
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1825
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1826
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1826

45.1.7.49.1 ReportLineSequence <RptLineSeq>

Presence: [0..1]

Definition: Sequence number of the report line in the report.

Datatype: "Max10NumericText" on page 2158

45.1.7.49.2 Text <Txt>

Presence: [0..1]

Definition: Report content in text format.

Datatype: "Max10MbText" on page 2158

45.1.7.49.3 Binary <Binry>

Presence: [0..1]

Definition: BASE-64 encoded report content.

Datatype: "Max20MbBinary" on page 2097

45.1.7.49.4 ProtectedData <PrtctdData>

Presence: [0..1]

Definition: Encrypted report content.

ProtectedData <PrtctdData> contains the following **EncryptedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1823
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1823
	DerivedInformation <DrvdInf>	[0..1]	Text		1824
	Algorithm <Algo>	[0..1]	Text		1824
	KeyLength <KeyLngth>	[0..1]	Text		1824
	KeyProtection <KeyPrtcn>	[0..1]	Text		1824
	KeyIndex <KeyIndx>	[0..1]	Text		1824
	PaddingMethod <PddgMtd>	[0..1]	Text		1824
	EncryptedFormat <NcrptdFrmt>	[0..1]	Text		1824
	EncryptedElement <NcrptdElmt>	[1..*]			1825
	Identification <Id>	[0..1]	Text		1825
	Data <Data>	[1..1]			1825
{Or	Binary <Binry>	[1..1]	Binary		1825
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1825
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1826
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1826

45.1.7.49.4.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

See ISO 13492 Control field for values.

Datatype: "Exact1HexBinaryText" on page 2155

45.1.7.49.4.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: Number that uniquely identifies a key or a group of related keys that are all different but have certain characteristics in common.

See ISO 13492 Key-set identifier for usage.

Datatype: "Max8NumericText" on page 2168

45.1.7.49.4.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

See ISO 13492 Derived information or Device ID and Transaction Counter for more information.

Datatype: "Max32HexBinaryText" on page 2162

45.1.7.49.4.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 2162

45.1.7.49.4.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the encryption key.

See ISO 13492 Key length field for value to use.

Datatype: "Max4NumericText" on page 2165

45.1.7.49.4.6 KeyProtection <KeyPrtn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity. Identifies encryption attribute used for the data encryption operation.

See ISO 13492 Key protection field for values.

Datatype: "Max2NumericText" on page 2162

45.1.7.49.4.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key within a key set when multiple keys exist with the same key set identifier.

See ISO 13492 Key index for more information.

Datatype: "Max5NumericText" on page 2166

45.1.7.49.4.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used prior to encipherment of the data.

See ISO 13492 Padding method field for values.

Datatype: "Max2NumericText" on page 2162

45.1.7.49.4.9 EncryptedFormat <NcrptdFrmt>

Presence: [0..1]

Definition: Identifies the format of the structured data when the encrypted data block contains more than one data element.

Datatype: "Max2NumericText" on page 2162

45.1.7.49.4.10 EncryptedElement <NcrptdElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedElement <NcrptdElmt> contains the following **EncryptedDataElement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1825
	Data <Data>	[1..1]			1825
{Or	Binary <Binry>	[1..1]	Binary		1825
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1825
	ClearTextFormat <ClearTxtFrmt>	[0..1]	CodeSet		1826
	OtherClearTextFormat <OthrClearTxtFrmt>	[0..1]	Text		1826

45.1.7.49.4.10.1 Identification <Id>

Presence: [0..1]

Definition: identification of the element that has been encrypted.

Datatype: "Max35Text" on page 2163

45.1.7.49.4.10.2 Data <Data>

Presence: [1..1]

Definition: Encrypted data element.

Data <Data> contains one of the following **EncryptedData2Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	Binary <Binry>	[1..1]	Binary		1825
Or}	HexadecimalBinary <HexBinry>	[1..1]	Text		1825

45.1.7.49.4.10.2.1 Binary <Binry>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 2097

45.1.7.49.4.10.2.2 HexadecimalBinary <HexBinry>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 2168

45.1.7.49.4.10.3 ClearTextFormat <ClearTxtFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 2115

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

45.1.7.49.4.10.4 OtherClearTextFormat <OthrClearTxtFrmt>

Presence: [0..1]

Definition: Other national or private format of the raw data prior to encryption.

Datatype: "Max35Text" on page 2163

45.1.7.50 ShippingPackage4

Definition: Contains the details of the package

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackingNumber <TrckgNb>	[0..1]	Text		1828
	SupplierName <SpplrNm>	[0..1]	Text		1828
	SupplierIdentification <SpplrId>	[0..1]	Text		1828
	SupplierBusinessName <SpplrBizNm>	[0..1]	Text		1828
	SupplierLegalCorporateName <SpplrLglCorpNm>	[0..1]	Text		1828
	SupplierAddress <SpplrAdr>	[0..1]	±		1828
	SupplierLocalData <SpplrLclData>	[0..*]	±		1829
	SupplierContact <SpplrCtct>	[0..1]	±		1829
	SupplierInstructions <SpplrInstrs>	[0..1]	Text		1830
	PickupDate <PckpDt>	[0..1]	Date		1830
	PickupTime <PckpTm>	[0..1]	Time		1830
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1830
	DeliveryAddress <DlvryAdr>	[0..1]	±		1830
	DeliveryContact <DlvryCtct>	[0..1]			1831
	Name <Nm>	[0..1]	Text		1832
	GivenName <GvnNm>	[0..1]	Text		1832
	MiddleName <MddlNm>	[0..1]	Text		1832
	LastName <LastNm>	[0..1]	Text		1832
	HomePhone <HomePhne>	[0..1]	Text		1833
	BusinessPhone <BizPhne>	[0..1]	Text		1833
	MobilePhone <MobPhne>	[0..1]	Text		1833
	OtherPhone <OthrPhne>	[0..1]	Text		1833
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1833
	BusinessEmail <BizEmail>	[0..1]	Text		1833
	OtherEmail <OthrEmail>	[0..1]	Text		1833
	HomeFax <HomeFax>	[0..1]	Text		1833
	BusinessFax <BizFax>	[0..1]	Text		1833
	URL <URL>	[0..1]	Text		1834
	Language <Lang>	[0..1]	CodeSet		1834
	DeliveryInstructions <DlvryInstrs>	[0..1]	Text		1834
	DeliveryDate <DlvryDt>	[0..1]	Date		1834

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryTime <DlvryTm>	[0..1]	Time		1834
	WeightUnit <WghtUnit>	[0..1]	CodeSet		1834
	OtherWeightUnit <OthrWghtUnit>	[0..1]	Text		1836
	NumberOfUnits <NbOfUnits>	[0..1]	Quantity		1836
	Product <Pdct>	[0..*]			1836
	Code <Cd>	[0..1]	Text		1836
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1836
	Insurance <Insrnc>	[0..1]	Indicator		1837
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1837

45.1.7.50.1 TrackingNumber <TrckgNb>

Presence: [0..1]

Definition: Contains the identification number for the packages being shipped and is also used for pickup number.

Datatype: "Max70Text" on page 2167

45.1.7.50.2 SupplierName <SpplrNm>

Presence: [0..1]

Definition: Name of the supplier

Datatype: "Max70Text" on page 2167

45.1.7.50.3 SupplierIdentification <Spplrld>

Presence: [0..1]

Definition: Identification of the supplier.

Datatype: "Max35Text" on page 2163

45.1.7.50.4 SupplierBusinessName <SpplrBizNm>

Presence: [0..1]

Definition: Business name of the supplier.

Datatype: "Max35Text" on page 2163

45.1.7.50.5 SupplierLegalCorporateName <SpplrLglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the supplier.

Datatype: "Max99Text" on page 2168

45.1.7.50.6 SupplierAddress <SpplrAdr>

Presence: [0..1]

Definition: Address of the supplier.

SupplierAddress <SpplrAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogLctn>	[0..1]	Text		1391

45.1.7.50.7 SupplierLocalData <SpplrLclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of the supplier data.

SupplierLocalData <SpplrLclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.7.50.8 SupplierContact <SpplrCtct>

Presence: [0..1]

Definition: Contact information related to the supplier.

SupplierContact <SpplrCtct> contains the following elements (see ["ContactBusiness2"](#) on page 1982 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1983
	GivenName <GvnNm>	[0..1]	Text		1983
	MiddleName <MddlNm>	[0..1]	Text		1983
	LastName <LastNm>	[0..1]	Text		1983
	Phone <Phne>	[0..1]	Text		1983
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1984
	TollFreePhone <TollFreePhne>	[0..1]	Text		1984
	Email <Email>	[0..1]	Text		1984
	Fax <Fax>	[0..1]	Text		1984
	URL <URL>	[0..1]	Text		1984
	Language <Lang>	[0..1]	CodeSet		1984

45.1.7.50.9 SupplierInstructions <SpplrInstrs>

Presence: [0..1]

Definition: Supplier special instructions.

Datatype: ["Max350Text"](#) on page 2163

45.1.7.50.10 PickupDate <PckpDt>

Presence: [0..1]

Definition: Contains the date the package is picked up.

Datatype: ["ISODate"](#) on page 2151

45.1.7.50.11 PickupTime <PckpTm>

Presence: [0..1]

Definition: Contains the time the package is picked up.

Datatype: ["ISOTime"](#) on page 2169

45.1.7.50.12 DeliveryNoteNumber <DlvryNoteNb>

Presence: [0..1]

Definition: Contains the number identifying an individual delivery note.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.50.13 DeliveryAddress <DlvryAdr>

Presence: [0..1]

Definition: Delivery address.

DeliveryAddress <DlvryAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.7.50.14 DeliveryContact <DlvryCtct>

Presence: [0..1]

Definition: Contact for delivery.

DeliveryContact <DlvryCtct> contains the following **ContactPersonal1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1832
	GivenName <GvnNm>	[0..1]	Text		1832
	MiddleName <MddlNm>	[0..1]	Text		1832
	LastName <LastNm>	[0..1]	Text		1832
	HomePhone <HomePhne>	[0..1]	Text		1833
	BusinessPhone <BizPhne>	[0..1]	Text		1833
	MobilePhone <MobPhne>	[0..1]	Text		1833
	OtherPhone <OthrPhne>	[0..1]	Text		1833
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1833
	BusinessEmail <BizEmail>	[0..1]	Text		1833
	OtherEmail <OthrEmail>	[0..1]	Text		1833
	HomeFax <HomeFax>	[0..1]	Text		1833
	BusinessFax <BizFax>	[0..1]	Text		1833
	URL <URL>	[0..1]	Text		1834
	Language <Lang>	[0..1]	CodeSet		1834

45.1.7.50.14.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max70Text" on page 2167

45.1.7.50.14.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.50.14.3 MiddleName <MddlNm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.7.50.14.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.7.50.14.5 HomePhone <HomePhne>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.6 BusinessPhone <BizPhne>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.7 MobilePhone <MobPhne>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.8 OtherPhone <OthrPhne>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.9 PersonalEmail <PrsnlEmail>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.50.14.10 BusinessEmail <BizEmail>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.50.14.11 OtherEmail <OthrEmail>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 2162

45.1.7.50.14.12 HomeFax <HomeFax>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.13 BusinessFax <BizFax>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 2169

45.1.7.50.14.14 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.7.50.14.15 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 2124

45.1.7.50.15 DeliveryInstructions <DlvryInstrs>

Presence: [0..1]

Definition: Special delivery instructions.

Datatype: "Max350Text" on page 2163

45.1.7.50.16 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Contains the package delivery date.

Datatype: "ISODate" on page 2151

45.1.7.50.17 DeliveryTime <DlvryTm>

Presence: [0..1]

Definition: Contains the package delivery time.

Datatype: "ISOTime" on page 2169

45.1.7.50.18 WeightUnit <WghtUnit>

Presence: [0..1]

Definition: Unit of measure of the item being shipped.

Datatype: "UnitOfMeasure1Code" on page 2149

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.

CodeName	Name	Definition
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.

CodeName	Name	Definition
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

45.1.7.50.19 OtherWeightUnit <OthrWghtUnit>

Presence: [0..1]

Definition: Other unit of measure the item being shipped .

Datatype: "Max35Text" on page 2163

45.1.7.50.20 NumberOfUnits <NbOfUnits>

Presence: [0..1]

Definition: Number of units.

Datatype: "DecimalNumber" on page 2152

45.1.7.50.21 Product <Pdct>

Presence: [0..*]

Definition: Contains the product details.

Product <Pdct> contains the following **Product8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Code <Cd>	[0..1]	Text		1836
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1836

45.1.7.50.21.1 Code <Cd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 2167

45.1.7.50.21.2 SummaryCommodityIdentification <SummryCmmdtyId>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.50.22 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.50.23 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Amount of insurance.

Datatype: ["ImpliedCurrencyAndAmount" on page 2096](#)

45.1.7.51 FleetData7

Definition: Fleet data pertaining to the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Driver <Drvr>	[0..1]	±		1838
	Vehicle <Vhcl>	[0..1]	±		1839
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]	±		1841
	CardFuelPromptCode <CardFuelPrmptCd>	[0..1]	Quantity		1841
	AgentFuelPromptCode <AgtFuelPrmptCd>	[0..1]	Text		1841
	TripNumber <TripNb>	[0..1]	Text		1841
	TripJobNumber <TripJobNb>	[0..1]	Text		1841
	TripWorkOrder <TripWorkOrdr>	[0..1]	Text		1842
	TripInvoiceNumber <TripInvcNb>	[0..1]	Text		1842
	TripBillingIdentification <TripBllgld>	[0..1]	Text		1842
	TripControlNumber <TripCtrlNb>	[0..1]	Text		1842
	TripDeliveryTicketNumber <TripDlvryTcktNb>	[0..1]	Text		1842
	LocalAmenity <LclAmnty>	[0..*]	±		1842
	TransactionRelatedData <TxRltdData>	[0..*]	±		1842
	AdditionalEnteredData <AddtlNtrdData>	[0..1]	±		1843
	DiscountMethod <DscntMtd>	[0..1]	Text		1843
	DiscountEntity <DscntNtty>	[0..1]	CodeSet		1844
	DiscountPlanIdentification <DscntPlanId>	[0..1]	Text		1844
	PurchaseRestrictionIndicator <PurchsRstrctnInd>	[0..1]	Text		1844
	LineItem <LineItm>	[0..*]	±		1844

45.1.7.51.1 Driver <Drvr>

Presence: [0..1]

Definition: Contains driver-related information.

Driver <Drvr> contains the following elements (see "FleetDriverData2" on page 1800 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1801
	Identification <Id>	[0..1]	Text		1801
	LicenseType <LicTp>	[0..1]	Text		1801
	LicenseForm <LicForm>	[0..1]	CodeSet		1802
	LicenseIdentification <LicId>	[0..1]	Text		1802
	LicenseAssigner <LicAssgnr>	[0..1]	CodeSet		1802
	LicenseIssuanceDate <LicIssncDt>	[0..1]	Date		1802
	LicenseExpirationDate <LicXprtnDt>	[0..1]	Date		1802
	LicenseCountry <LicCtry>	[0..1]	CodeSet		1802
	LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>	[0..1]	CodeSet		1803
	LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>	[0..1]	CodeSet		1803
	LicenseOtherAuthority <LicOthrAuthrty>	[0..1]	Text		1803
	Employer <Mplyr>	[0..1]	Text		1803
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1803
	DepartmentNumber <DeptNb>	[0..1]	Text		1803
	AdditionalIdentification <AddtlId>	[0..*]	±		1803
	DateOfBirth <DtOfBirth>	[0..1]	Date		1804
	PrivateData <PrvtData>	[0..*]	(External Schema)		1804
	NationalData <NtlData>	[0..*]	(External Schema)		1804

45.1.7.51.2 Vehicle <Vhcl>

Presence: [0..1]

Definition: Vehicle belonging to the fleet.

Vehicle <Vhcl> contains the following elements (see "FleetVehicleData1" on page 1583 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Number <Nb>	[0..1]	Text		1585
	IdentificationNumber <IdNb>	[0..1]	Text		1585
	FleetNumber <FleetNb>	[0..1]	Text		1585
	SubFleetNumber <SubFleetNb>	[0..1]	Text		1585
	UnitNumber <UnitNb>	[0..1]	Text		1585
	TrailerNumber <TrlrNb>	[0..1]	Text		1585
	Tag <Tag>	[0..1]	Text		1586
	TagEntryMode <TagNtryMd>	[0..1]	CodeSet		1586
	Replacement <Rplcmnt>	[0..1]	Indicator		1586
	Odometer <Odmtr>	[0..1]	Quantity		1586
	Hubometer <Hbmtr>	[0..1]	Quantity		1586
	Maintenanceldentification <Mntncld>	[0..1]	Text		1587
	OnBoardDiagnostics <OnBrdDgnstcs>	[0..1]			1587
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1587
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1588
	EngineHours <NgnHrs>	[0..1]	Quantity		1588
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1588
	EngineLoad <NgnLd>	[0..1]	Text		1588
	EngineRPM <NgnRPM>	[0..1]	Text		1588
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1588
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1589
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1589
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1589
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1589
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1589
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1589
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1589
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1589
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1590
	BatteryVoltage <BttryVltg>	[0..1]	Text		1590
	HardBraking <HardBrakg>	[0..1]	Text		1590

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1590
	AdditionalData <AddtlData>	[0..*]			1590
	Type <Tp>	[0..1]	Text		1590
	EntryMode <NtryMd>	[0..1]	CodeSet		1590
	Data <Data>	[1..1]	Text		1591
	PrivateData <PrvtData>	[0..*]	(External Schema)		1591
	NationalData <NtlData>	[0..*]	(External Schema)		1591

45.1.7.51.3 DriverOrVehicleCard <DrvrOrVhclCard>

Presence: [0..1]

Definition: Second card presented for the payment transaction.

DriverOrVehicleCard <DrvrOrVhclCard> contains the following elements (see "DriverOrVehicleCardData1" on page 1557 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1558
	PrivateData <PrvtData>	[0..*]	(External Schema)		1558
	NationalData <NtlData>	[0..*]	(External Schema)		1558

45.1.7.51.4 CardFuelPromptCode <CardFuelPrmptCd>

Presence: [0..1]

Definition: Indicates whether or not fuel or fleet data prompting should occur.

Datatype: "Max1Number" on page 2153

45.1.7.51.5 AgentFuelPromptCode <AgtFuelPrmptCd>

Presence: [0..1]

Definition: Currently known as "TransactionNumber". An identification code assigned by an agent. This code can be used after applying for and awaiting the appropriate prompt value to be defined.

Datatype: "Max35Text" on page 2163

45.1.7.51.6 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification number of the trip.

Datatype: "Max35Text" on page 2163

45.1.7.51.7 TripJobNumber <TripJobNb>

Presence: [0..1]

Definition: Contains an indicator identifying the job or task identifier of the individual.

Datatype: ["Max10Text" on page 2158](#)

45.1.7.51.8 TripWorkOrder <TripWorkOrdr>

Presence: [0..1]
Definition: Contains the work order or purchase order number.
Datatype: ["Max70Text" on page 2167](#)

45.1.7.51.9 TripInvoiceNumber <TriplnvcNb>

Presence: [0..1]
Definition: Contains the invoice number.
Datatype: ["Max70Text" on page 2167](#)

45.1.7.51.10 TripBillingIdentification <TripBllgld>

Presence: [0..1]
Definition: Contains the billing identification number.
Datatype: ["Max70Text" on page 2167](#)

45.1.7.51.11 TripControlNumber <TripCtrlNb>

Presence: [0..1]
Definition: Identification number assigned by an agent.
Datatype: ["Max35Text" on page 2163](#)

45.1.7.51.12 TripDeliveryTicketNumber <TripDlvryTcktNb>

Presence: [0..1]
Definition: Delivery Ticket Number for the trip information.
Datatype: ["Max35Text" on page 2163](#)

45.1.7.51.13 LocalAmenity <LclAmnty>

Presence: [0..*]
Definition: Indicates the amenities available at the location where the merchant actually performed the transaction.
LocalAmenity <LclAmnty> contains the following elements (see ["LocalAmenity2" on page 1507](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1507
	AvailableIndicator <AvlblInd>	[0..1]	Indicator		1508

45.1.7.51.14 TransactionRelatedData <TxRltdData>

Presence: [0..*]
Definition: Contains information related specifically to the transaction.

TransactionRelatedData <TxRltdData> contains the following elements (see
"FleetTransactionDetail2" on page 1846 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseType <PurchsTp>	[0..1]	CodeSet		1846
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1847
	DiscountTotalAmount <DscntTtlAmt>	[0..1]	Amount		1847
	DiscountTotalFuelAmount <DscntTtlFuelAmt>	[0..1]	Amount		1847
	DiscountTotalNonFuelAmount <DscntTtlNonFuelAmt>	[0..1]	Amount		1847
	TotalAmount <TtlAmt>	[0..1]	Amount		1847
	TaxTotal <TaxTtl>	[0..*]			1847
	Type <Tp>	[1..1]	CodeSet		1848
	Description <Desc>	[0..1]	Text		1853
	Exemption <Xmptn>	[0..1]	Indicator		1853
	ExemptReason <XmptRsn>	[0..1]	Text		1854
	Amount <Amt>	[1..1]	Amount		1854
	Rate <Rate>	[0..1]	Rate		1854
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1854
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1854

45.1.7.51.15 AdditionalEnteredData <AddtlNtrdData>

Presence: [0..1]

Definition: Contains additional fleet summary data.

AdditionalEnteredData <AddtlNtrdData> contains the following elements (see
"AdditionalEnteredFleetData1" on page 1799 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Numeric <Nmrc>	[0..1]	Text		1799
	AlphaNumeric <AlphaNmrc>	[0..1]	Text		1800
	PrivateData <PrvtData>	[0..*]	(External Schema)		1800
	NationalData <NtlData>	[0..*]	(External Schema)		1800

45.1.7.51.16 DiscountMethod <DscntMtd>

Presence: [0..1]

Definition: A value to indicate the discount method applied to a transaction, such as Retail minus discount method, Cost plus discount method, Best of retail minus or cost plus

Datatype: "Max4AlphaNumericText" on page 2165

45.1.7.51.17 DiscountEntity <DscntNtty>

Presence: [0..1]

Definition: Contains any of these codes to identify the entity who calculated discount.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.7.51.18 DiscountPlanIdentification <DscntPlanId>

Presence: [0..1]

Definition: Contains a value to identify discount plan applied to a transaction.

Datatype: "Max35Text" on page 2163

45.1.7.51.19 PurchaseRestrictionIndicator <PurchsRstrctnInd>

Presence: [0..1]

Definition: Indicate if the card acceptor supports purchase control override at POS.

Datatype: "Exact1Text" on page 2156

45.1.7.51.20 Lineltem <Lineltm>

Presence: [0..*]

Definition: Fleet Line Item component is designed to carry detail level fleet data and to enable issuers to supply more transaction information to their consumer and corporate clients pertaining to fleet transactions.

LinItem <LinItem> contains the following elements (see "FleetLinItem7" on page 1770 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Fuel <Fuel>	[1..1]	Indicator		1772
	ServiceType <SvcTp>	[0..1]	CodeSet		1772
	FuelBrandCode <FuelBrndCd>	[0..1]	Text		1772
	ProductCode <PdctCd>	[0..1]	Text		1772
	ProductCategory <PdctCtgy>	[0..1]	Text		1772
	ProductQualifier <PdctQlfr>	[0..1]	Text		1773
	ProductCodeAssigner <PdctCdAssgnr>	[0..1]	Text		1773
	UnitPriceTax <UnitPricTax>	[0..1]	Indicator		1773
	UnitPrice <UnitPric>	[0..1]	Amount		1773
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1773
	PercentageDiscountRate <PctgDscntRate>	[0..1]	Rate		1775
	PerUnitDiscountRate <PerUnitDscntRate>	[0..1]	Amount		1775
	FlatDiscountRate <FlatDscntRate>	[0..1]	Amount		1775
	CostPlusUnitDiscount <CostPlusUnitDscnt>	[0..1]	Amount		1775
	CostPlusUnitDiscountSign <CostPlusUnitDscntSgn>	[0..1]	CodeSet		1775
	CostPlusUnitPrice <CostPlusUnitPric>	[1..1]	Amount		1776
	TotalTimePluggedIn <TtlTmPlugdIn>	[0..1]	Time		1776
	TotalTimeCharging <TtlTmChrgg>	[0..1]	Time		1776
	ChargingStartTime <ChrggStartTm>	[0..1]	Time		1776
	ChargingCompletionTime <ChrggCmpltnTm>	[0..1]	Time		1776
	ProductQuantity <PdctQty>	[0..1]	Quantity		1776
	DiscountAmount <DscntAmt>	[0..1]	Amount		1776
	NonTaxable <NonTaxbl>	[0..1]	Indicator		1777
	Tax <Tax>	[0..*]			1777
	Type <Tp>	[1..1]	CodeSet		1777
	Description <Desc>	[0..1]	Text		1783
	Exemption <Xmptn>	[0..1]	Indicator		1783
	ExemptReason <XmptRsn>	[0..1]	Text		1783
	Amount <Amt>	[1..1]	Amount		1783
	Rate <Rate>	[0..1]	Rate		1783
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1783

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1784
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1784
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1784
	NetAmount <NetAmt>	[0..1]	Amount		1784

45.1.7.52 FleetTransactionDetail2

Definition: Payment transaction invoiced to customer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseType <PurchsTp>	[0..1]	CodeSet		1846
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1847
	DiscountTotalAmount <DscntTtlAmt>	[0..1]	Amount		1847
	DiscountTotalFuelAmount <DscntTtlFuelAmt>	[0..1]	Amount		1847
	DiscountTotalNonFuelAmount <DscntTtlNonFuelAmt>	[0..1]	Amount		1847
	TotalAmount <TtlAmt>	[0..1]	Amount		1847
	TaxTotal <TaxTtl>	[0..*]			1847
	Type <Tp>	[1..1]	CodeSet		1848
	Description <Desc>	[0..1]	Text		1853
	Exemption <Xmptn>	[0..1]	Indicator		1853
	ExemptReason <XmptRsn>	[0..1]	Text		1854
	Amount <Amt>	[1..1]	Amount		1854
	Rate <Rate>	[0..1]	Rate		1854
	IncludedInTotal <InclInTtl>	[0..1]	Indicator		1854
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1854

45.1.7.52.1 PurchaseType <PurchsTp>

Presence: [0..1]

Definition: List of codes representing type of fleet purchases.

Datatype: "FleetPurchaseType1Code" on page 2118

CodeName	Name	Definition
FUEL	Fuel	Fuel
NONF	NonFuel	Non fuel
FANF	FuelAndNonFuel	Fuel and non fuel

45.1.7.52.2 SummaryCommodityIdentification <SummryCmmdtyld>

Presence: [0..1]

Definition: Provides the identifier assigned by the card acceptor that best categorizes the items being purchased in a standardized commodity group.

Datatype: "Max35Text" on page 2163

45.1.7.52.3 DiscountTotalAmount <DscntTtlAmt>

Presence: [0..1]

Definition: Total amount of the transaction, inclusive of all applicable taxes and fees.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.52.4 DiscountTotalFuelAmount <DscntTtlFuelAmt>

Presence: [0..1]

Definition: Total amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.52.5 DiscountTotalNonFuelAmount <DscntTtlNonFuelAmt>

Presence: [0..1]

Definition: Fuel amount.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.52.6 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount of the transaction, inclusive of all applicable taxes and fees.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.52.7 TaxTotal <TaxTtl>

Presence: [0..*]

Definition: Total taxes related to the products or services.

TaxTotal <TaxTtl> contains the following **Tax44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1848
	Description <Desc>	[0..1]	Text		1853
	Exemption <Xmptn>	[0..1]	Indicator		1853
	ExemptReason <XmptRsn>	[0..1]	Text		1854
	Amount <Amt>	[1..1]	Amount		1854
	Rate <Rate>	[0..1]	Rate		1854
	IncludedInTotal <InclnTtl>	[0..1]	Indicator		1854
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1854

45.1.7.52.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "AddendumTaxType4Code" on page 2098

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in

CodeName	Name	Definition
		return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.

CodeName	Name	Definition
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax

CodeName	Name	Definition
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax

CodeName	Name	Definition
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.

CodeName	Name	Definition
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.1.7.52.7.2 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 2163

45.1.7.52.7.3 Exemption <Xmptn>

Presence: [0..1]

Definition: Exemption for this type of tax.

True: Exemption of tax

False: No exemption of tax

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.52.7.4 ExemptReason <XmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: ["Max35Text"](#) on page 2163

45.1.7.52.7.5 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.52.7.6 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: ["PercentageRate"](#) on page 2154

45.1.7.52.7.7 IncludedInTotal <InclInTtl>

Presence: [0..1]

Definition: Indicate whether the Tax amount is included in total transaction amount

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.52.7.8 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: A code to indicate the amount is credit or debit

Datatype: ["CreditDebit3Code"](#) on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.7.53 FleetLineItem6

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AllowedItem <Allwdltm>	[0..1]	Indicator		1855
	Fuel <Fuel>	[1..1]	Indicator		1855
	ServiceType <SvcTp>	[0..1]	CodeSet		1855
	ProductCategory <PdctCtgy>	[0..1]	Text		1856
	ProductCode <PdctCd>	[0..1]	Text		1856
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1856
	ProductQuantity <PdctQty>	[0..1]	Quantity		1857
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1858
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1858

45.1.7.53.1 AllowedItem <Allwdltm>

Presence: [0..1]

Definition: Indicates whether or not the requested product or service is allowed.

True = Allowed

False = Not allowed

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.53.2 Fuel <Fuel>

Presence: [1..1]

Definition: Indicates whether or not the line item represents a fuel or non-fuel product or service.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.53.3 ServiceType <SvcTp>

Presence: [0..1]

Definition: Type of service received at the acceptor location.

Datatype: "FleetServiceType1Code" on page 2119

CodeName	Name	Definition
SLSV	SelfService	Self service
HSDI	HighSpeedDispenser	High speed dispenser that may or may not support varying flow rates.

CodeName	Name	Definition
FLSV	FullService	Full service

45.1.7.53.4 ProductCategory <PdctCtgy>

Presence: [0..1]

Definition: Contains a code that identifies a category of fleet products or services.

Datatype: "Max35Text" on page 2163

45.1.7.53.5 ProductCode <PdctCd>

Presence: [0..1]

Definition: Code that identifies the type of fuel or non-fuel product or service being purchased.

Datatype: "Max15Text" on page 2160

45.1.7.53.6 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 2149

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.

CodeName	Name	Definition
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

45.1.7.53.7 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 2152

45.1.7.53.8 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.53.9 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.7.54 TravelAgencyPackage2

Definition: Provides detailed information about the travel package, excluding specific itinerary data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReservationNumber <RsvatnNb>	[0..1]	Text		1858
	Type <Tp>	[0..1]	Text		1858
	NumberInParty <NbInPty>	[0..1]	Text		1859
	CustomerReference <CstmrRef>	[0..*]			1859
	Identification <Id>	[0..1]	Text		1859
	Detail <Dtl>	[0..1]	Text		1859
	DataSource <DataSrc>	[0..1]	Text		1859
	DeliveryOrderNumber <DlvryOrdrNb>	[0..1]	Text		1859
	CreditCardSlipNumber <CdtCardSlipNb>	[0..1]	Text		1859
	Insurance <Insrnc>	[0..1]	Indicator		1860
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1860
	Fee <Fee>	[0..1]	Amount		1860

45.1.7.54.1 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Reservation number or identifier.

Datatype: "Max35Text" on page 2163

45.1.7.54.2 Type <Tp>

Presence: [0..1]

Definition: Describes the type of travel offering provided by the travel agency or partner.

Datatype: "Max70Text" on page 2167

45.1.7.54.3 NumberInParty <NbInPty>

Presence: [0..1]

Definition: Number of people included in the travel arrangements.

Datatype: "Max10NumericText" on page 2158

45.1.7.54.4 CustomerReference <CstmrRef>

Presence: [0..*]

Definition: Contains Customer Reference Values provided for this transaction and used for various reference processing at the customer site. These values represent information most prevalently provided by travel agencies for transactions booked against a lodged account or central travel account.

CustomerReference <CstmrRef> contains the following **CustomerReference1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1859
	Detail <Dtl>	[0..1]	Text		1859

45.1.7.54.4.1 Identification <Id>

Presence: [0..1]

Definition: Defines the content of the value provided in the Customer Reference detail.

Datatype: "Max35Text" on page 2163

45.1.7.54.4.2 Detail <Dtl>

Presence: [0..1]

Definition: Subfield is a free-form text field containing customer reference value details about the transaction.

Datatype: "Max70Text" on page 2167

45.1.7.54.5 DataSource <DataSrc>

Presence: [0..1]

Definition: Indicates the source of enhanced data that is matched to the transaction.

Datatype: "Max35Text" on page 2163

45.1.7.54.6 DeliveryOrderNumber <DivryOrdNb>

Presence: [0..1]

Definition: Contains a customer invoice number for a rail sale to a corporate account.

Datatype: "Max35Text" on page 2163

45.1.7.54.7 CreditCardSlipNumber <CdtCardSlipNb>

Presence: [0..1]

Definition: Contains a slip number from the credit card slip.

Datatype: "Max35Text" on page 2163

45.1.7.54.8 Insurance <Insrnc>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.7.54.9 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.54.10 Fee <Fee>

Presence: [0..1]

Definition: Travel agency fee amount.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 2096

45.1.7.55 LodgingRoom2

Definition: Room details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1860
	Location <Lctn>	[0..1]	Text		1860
	BedType <BedTp>	[0..1]	Text		1861
	Guests <Gsts>	[0..1]	Text		1861
	Adults <Adlts>	[0..1]	Text		1861
	Children <Chldrn>	[0..1]	Text		1861
	DailyRate <DalyRate>	[0..1]	Amount		1861

45.1.7.55.1 Type <Tp>

Presence: [0..1]

Definition: Type of room (for example, club/lounge level room).

Datatype: ["Max35Text"](#) on page 2163

45.1.7.55.2 Location <Lctn>

Presence: [0..1]

Definition: Contains the room location information (for example,ocean view, lake view, level, etc.)

Datatype: ["Max35Text"](#) on page 2163

45.1.7.55.3 BedType <BedTp>

Presence: [0..1]

Definition: Contain the type of bed in room (for example, single, double, king, etc.)

Datatype: "Max70Text" on page 2167

45.1.7.55.4 Guests <Gsts>

Presence: [0..1]

Definition: Contains the number of guests in the room.

Datatype: "Max3NumericText" on page 2164

45.1.7.55.5 Adults <Adlts>

Presence: [0..1]

Definition: Contains the number of adult guests in the room.

Datatype: "Max3NumericText" on page 2164

45.1.7.55.6 Children <Chldrn>

Presence: [0..1]

Definition: Contains the number of child guests in the room.

Datatype: "Max3NumericText" on page 2164

45.1.7.55.7 DailyRate <DalyRate>

Presence: [0..1]

Definition: Daily rate being charged for the room.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.8 Customer Device

45.1.8.1 CustomerDevice6

Definition: Details of the customer device.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1862
	ManufacturerModelIdentification <ManfctrMdIld>	[0..1]	Text		1862
	Type <Tp>	[0..1]	CodeSet		1863
	Language <Lang>	[0..1]	CodeSet		1863
	Phone <Phne>	[0..1]	Text		1863
	GeographicLocation <GeogcLctn>	[0..1]	Text		1863
	LocationCountryCode <LctnCtryCd>	[0..1]	CodeSet		1863
	IPAddress <IPAdr>	[0..1]	Text		1863
	Email <Email>	[0..1]	Text		1863
	DeviceName <DvcNm>	[0..1]	Text		1863
	DeviceNameNormalized <DvcNmNrmlzd>	[0..1]	Text		1864
	DeviceIdentification <DvcId>	[0..*]			1864
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864
	OperatingSystemIdentification <OprgSysId>	[0..1]	Text		1864
	OperatingSystemType <OprgSysTp>	[0..1]	CodeSet		1865
	OperatingSystemVersion <OprgSysVrsn>	[0..1]	Text		1865
	OperatingSystemBuild <OprgSysBld>	[0..1]	Text		1865
	Provider <Prvdr>	[0..1]	Text		1865
	GeographicLocationSource <GeogcLctnSrc>	[0..1]	Text		1865
	DeviceTimeZone <DvcTmZone>	[0..1]	Text		1865
	DeviceTimeZoneSource <DvcTmZoneSrc>	[0..1]	Text		1865
	PrivateData <PrvtData>	[0..*]	(External Schema)		1865
	NationalData <NtlData>	[0..*]	(External Schema)		1866

45.1.8.1.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: Manufacturer of the device.

Datatype: "Max70Text" on page 2167

45.1.8.1.2 ManufacturerModelIdentification <ManfctrMdIld>

Presence: [0..1]

Definition: Manufacturer's identification of the model.

Datatype: "Max70Text" on page 2167

45.1.8.1.3 Type <Tp>

Presence: [0..1]

Definition: Type of customer device. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExternalCustomerDeviceType1Code" on page 2117

45.1.8.1.4 Language <Lang>

Presence: [0..1]

Definition: Preferred language set on the device

Datatype: "ISO2ALanguageCode" on page 2124

45.1.8.1.5 Phone <Phne>

Presence: [0..1]

Definition: Phone number associated with the device.

Datatype: "PhoneNumber" on page 2169

45.1.8.1.6 GeographicLocation <GeogcLctn>

Presence: [0..1]

Definition: Geographical location of the device.

Datatype: "GeographicPointInDecimalDegreesText" on page 2157

45.1.8.1.7 LocationCountryCode <LctnCtryCd>

Presence: [0..1]

Definition: Country of the location.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.8.1.8 IPAddress <IPAdr>

Presence: [0..1]

Definition: Internet Protocol address associated with the device.

Datatype: "Max70Text" on page 2167

45.1.8.1.9 Email <Email>

Presence: [0..1]

Definition: Electronic mail address associated with the device.

Datatype: "Max256Text" on page 2162

45.1.8.1.10 DeviceName <DvcNm>

Presence: [0..1]

Definition: Customer's name of the device.

Datatype: "Max100Text" on page 2157

45.1.8.1.11 DeviceNameNormalized <DvcNmNrmlzd>

Presence: [0..1]

Definition: Customer assigned device name, normalized.

Datatype: "Max100Text" on page 2157

45.1.8.1.12 DeviceIdentification <DvcId>

Presence: [0..*]

Definition: Identification of the device.

DeviceIdentification <DvcId> contains the following **DeviceIdentification2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1864
	Identification <Id>	[0..1]	Text		1864
	Assigner <Assgnr>	[0..1]	Text		1864

45.1.8.1.12.1 Type <Tp>

Presence: [0..1]

Definition: Type of device. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "DeviceIdentificationType2Code" on page 2115

CodeName	Name	Definition
IMEI	IMEI	International Mobile Equipment Identity.
SEID	SecureElementIdentification	Secure element ID.
SENU	SerialNumber	Device serial number.

45.1.8.1.12.2 Identification <Id>

Presence: [0..1]

Definition: Identifier of the device.

Datatype: "Max70Text" on page 2167

45.1.8.1.12.3 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity that assigned the identification.

Datatype: "Max70Text" on page 2167

45.1.8.1.13 OperatingSystemIdentification <OprgSysId>

Presence: [0..1]

Definition: Identification of the operating system.

Datatype: "Max70Text" on page 2167

45.1.8.1.14 OperatingSystemType <OprgSysTp>

Presence: [0..1]

Definition: Type of device operating system. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExternalDeviceOperatingSystemType1Code" on page 2117

45.1.8.1.15 OperatingSystemVersion <OprgSysVrsn>

Presence: [0..1]

Definition: Version of device operating system.

Datatype: "Max35Text" on page 2163

45.1.8.1.16 OperatingSystemBuild <OprgSysBld>

Presence: [0..1]

Definition: Build of the device operating system.

Datatype: "Max70Text" on page 2167

45.1.8.1.17 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the customer device.

Datatype: "Max35Text" on page 2163

45.1.8.1.18 GeographicLocationSource <GeogcLctnSrc>

Presence: [0..1]

Definition: The source of geographic location source

Datatype: "Max35Text" on page 2163

45.1.8.1.19 DeviceTimeZone <DvcTmZone>

Presence: [0..1]

Definition: Contain the time zone of the device.

Datatype: "Max70Text" on page 2167

45.1.8.1.20 DeviceTimeZoneSource <DvcTmZoneSrc>

Presence: [0..1]

Definition: Contains the source of device time zone.

Datatype: "Max35Text" on page 2163

45.1.8.1.21 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.8.1.22 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.9 De Minimus

45.1.9.1 DepositDetails4

Definition: Additional functions or services to be performed in conjunction with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1866
	Amount <Amt>	[0..1]	Amount		1866
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1867

45.1.9.1.1 Type <Tp>

Presence: [1..1]

Definition: Funding source used for deposit. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDepositType2Code" on page 2110

CodeName	Name	Definition
ENVL	Envelope	Envelope
CHEC	Cheque	Cheque
CASH	Cash	Cash

45.1.9.1.2 Amount <Amt>

Presence: [0..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.9.1.3 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.10 Dispute

45.1.10.1 DisputeData5

Definition: Data to be present in a dispute.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Cycle <Cycl>	[0..1]	Text		1867
	Condition <Cond>	[0..1]	Text		1867
	Status <Sts>	[0..1]	Text		1868
	Partial <Prtl>	[0..1]	Indicator		1868
	AgentBundleCaseReference <AgtBndlCaseRef>	[0..1]	Text		1868
	AgentCaseReference <AgtCaseRef>	[0..1]	Text		1868
	AcquirerCaseReference <AcqrrCaseRef>	[0..1]	Text		1868
	IssuerCaseReference <IssrCaseRef>	[0..1]	Text		1868
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1868
	RejectReason <RjctRsn>	[0..*]	Text		1868
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1869
	MessageText <MsgTxt>	[0..1]	Text		1869
	PrivateData <PrvtData>	[0..*]	(External Schema)		1869
	NationalData <NtlData>	[0..*]	(External Schema)		1869

45.1.10.1.1 Cycle <Cycl>

Presence: [0..1]

Definition: Indicates the cycle of presentment.

Datatype: "Exact1NumericText" on page 2156

45.1.10.1.2 Condition <Cond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 2163

45.1.10.1.3 Status <Sts>

Presence: [0..1]

Definition: Status of dispute.

Datatype: "Max35Text" on page 2163

45.1.10.1.4 Partial <Prtl>

Presence: [0..1]

Definition: Partial dispute indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.10.1.5 AgentBundleCaseReference <AgtBndlCaseRef>

Presence: [0..1]

Definition: Bundle dispute case reference assigned by agent.

Datatype: "Max20Text" on page 2161

45.1.10.1.6 AgentCaseReference <AgtCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by agent.

Datatype: "Max20Text" on page 2161

45.1.10.1.7 AcquirerCaseReference <AcqrrCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by acquirer.

Datatype: "Max20Text" on page 2161

45.1.10.1.8 IssuerCaseReference <IssrCaseRef>

Presence: [0..1]

Definition: Dispute case reference assigned by issuer.

Datatype: "Max20Text" on page 2161

45.1.10.1.9 DocumentationStatus <DcmnttnSts>

Presence: [0..1]

Definition: Status of the dispute documentation.

Datatype: "Max35Text" on page 2163

45.1.10.1.10 RejectReason <RjctRsn>

Presence: [0..*]

Definition: Reason for rejecting a dispute.

Datatype: "Max35Text" on page 2163

45.1.10.1.11 ChargebackEligibility <ChrgbckElgblty>

Presence: [0..1]

Definition: Provides transaction chargeback eligibility conditions.

Datatype: "Max35Text" on page 2163

45.1.10.1.12 MessageText <MsgTxt>

Presence: [0..1]

Definition: Brief unformatted text describing a dispute.

Datatype: "Max50Text" on page 2166

45.1.10.1.13 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.10.1.14 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.11 Financial Institution Identification

45.1.11.1 FinancialInstitution10

Definition: Information related to a financial institution required by business or regulation (for example, in money or funds transfer).

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1870
	Name <Nm>	[0..1]	Text		1870
	Address <Adr>	[0..1]	±		1870
	Email <Email>	[0..1]	Text		1871
	URL <URL>	[0..1]	Text		1871
	Phone <Phne>	[0..1]	Text		1871
	CustomerService <CstmrSvc>	[0..1]	Text		1871
	AdditionalContact <AddtlCtct>	[0..1]	Text		1871
	LocalData <LclData>	[0..1]			1872
	Language <Lang>	[1..1]	CodeSet		1872
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1872
	Name <Nm>	[0..1]	Text		1872
	Address <Adr>	[0..1]	±		1872
	AdditionalContact <AddtlCtct>	[0..1]	Text		1873
	AdditionalData <AddtlData>	[0..*]			1873
	Type <Tp>	[0..1]	Text		1873
	Value <Val>	[0..1]	Text		1873

45.1.11.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 2163

45.1.11.1.2 Name <Nm>

Presence: [0..1]

Definition: Name of the financial institution.

Datatype: "Max70Text" on page 2167

45.1.11.1.3 Address <Adr>

Presence: [0..1]

Definition: Address of the financial institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.11.1.4 Email <Email>

Presence: [0..1]

Definition: Electronic mail address of the financial institution.

Datatype: "Max256Text" on page 2162

45.1.11.1.5 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address of the financial institution.

Datatype: "Max256Text" on page 2162

45.1.11.1.6 Phone <Phne>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "Max35Text" on page 2163

45.1.11.1.7 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer services.

Datatype: "Max35Text" on page 2163

45.1.11.1.8 AdditionalContact <AddtlCtct>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the financial institution, for instance dispute manager name.

Datatype: "Max256Text" on page 2162

45.1.11.1.9 LocalData <LclData>

Presence: [0..1]

Definition: Contains text fields in the local language.

LocalData <LclData> contains the following **LocalData10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1872
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1872
	Name <Nm>	[0..1]	Text		1872
	Address <Adr>	[0..1]	±		1872
	AdditionalContact <AddtlCtct>	[0..1]	Text		1873
	AdditionalData <AddtlData>	[0..*]			1873
	Type <Tp>	[0..1]	Text		1873
	Value <Val>	[0..1]	Text		1873

45.1.11.1.9.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.11.1.9.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.11.1.9.3 Name <Nm>

Presence: [0..1]

Definition: Name of the financial institution in the local language.

Datatype: "Max70Text" on page 2167

45.1.11.1.9.4 Address <Adr>

Presence: [0..1]

Definition: Structured postal address in the local language.

Address <Adr> contains the following elements (see "[LocalAddress1](#)" on page 1387 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		1388
	AddressLine2 <AdrLine2>	[0..1]	Text		1388
	StreetName <StrtNm>	[0..1]	Text		1388
	BuildingNumber <BldgNb>	[0..1]	Text		1388
	PostalCode <PstlCd>	[0..1]	Text		1388
	TownName <TwnNm>	[0..1]	Text		1388
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1389
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1389

45.1.11.1.9.5 AdditionalContact <AddtlCtct>

Presence: [0..1]

Definition: Additional information, in the local language, used to facilitate contact with the financial institution, for instance dispute manager name.

Datatype: "[Max512Text](#)" on page 2166

45.1.11.1.9.6 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Additional local language data

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1873
	Value <Val>	[0..1]	Text		1873

45.1.11.1.9.6.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 2163

45.1.11.1.9.6.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 2161

45.1.12 Fraud

45.1.12.1 ReportedFraud7

Definition: Fraud reporting type information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1874
	Action <Actn>	[1..1]	CodeSet		1875
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1875
	SubmitterCaseReference <SubmitrCaseRef>	[0..1]	Text		1876
	CaseReference <CaseRef>	[0..1]	Text		1876

45.1.12.1.1 Type <Tp>

Presence: [1..1]

Definition: Type of fraud for which a report is established. P000-P999 reserved for private use, N000-N999 reserved for national use

Datatype: "FraudType2Code" on page 2119

CodeName	Name	Definition
ACTO	AccountTakeover	Fraudulent transaction due to the unauthorised use of a card account by a person with the intent to defraud the issuer of the card.
CWUI	CounterfeitWithUnassignedIIN	Fraudulent transaction where the acquirer confirmed that the IIN (Issuer Identification Number) used was either never issued or is invalid.
CRNT	CardNotReceived	Fraudulent transaction with a card that was not received by the cardholder.
FRAC	FraudulentAccountUse	Fraudulent use of an account.
FRAP	FraudulentApplication	Fraudulent transaction on an account that the cardholder never applied for or the information on the application was falsified.
CWKA	CounterfeitWithExistingAccount	Fraudulent transaction with an altered or duplicated card in a card-present environment where the cardholder did not knowingly participate or the account was not created.
CRDL	LostCard	Fraudulent transaction with a card that has been reported as lost
MISC	Miscellaneous	Fraudulent transaction that cannot be categorised as one of the standard fraud types.
CRDS	StolenCard	Fraudulent transaction with a card that has been reported as stolen.

CodeName	Name	Definition
CNPA	CardNotPresentAccountUse	Fraudulent use in a card-not-present environment of an account.
MUFD	MultipleUseFraud	Merchant makes additional transactions against a card when consumer authorised for one legitimate transaction.
COSN	Collusion	Two parties colluding for the purpose of creating fraudulent transaction. For example, a cardholder and merchant.

45.1.12.1.2 Action <Actn>

Presence: [1..1]

Definition: Identifies the type of fraud reporting action. P000-P999 reserved for private use, N000-N999 reserved for national use

Datatype: "FraudReportingAction2Code" on page 2119

CodeName	Name	Definition
DUPL	Duplicate	Fraud information already reported.
CLSE	Close	Closing a previously reported fraud.
NEWF	New	New fraud information not reported yet.
REOP	Reopen	Reopen a previously closed reported fraud case
UPDT	Update	Update information about a fraud already reported.

45.1.12.1.3 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.

CodeName	Name	Definition
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity providing payments services.

45.1.12.1.4 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 2163

45.1.12.1.5 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference of fraudulent case.

Datatype: "Max35Text" on page 2163

45.1.12.2 ReportedFraud6

Definition: Fraud reporting type information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1876
	Action <Actn>	[1..1]	CodeSet		1877
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1878
	CompromisedCredential <CmprmsdCrdntl>	[0..*]	CodeSet		1878
	CardholderReportingDate <CrdhldrRptgDt>	[0..1]	Date		1881
	ConfirmationReportingDate <ConfRptgDt>	[0..1]	Date		1881
	SubmitterCaseReference <SubmitrCaseRef>	[0..1]	Text		1881
	MarketSegment <MktSgmt>	[0..1]	Text		1881
	CaseLocatorNumber <CaseLctrNb>	[0..1]	Text		1881
	CaseReference <CaseRef>	[0..1]	Text		1882
	Arrest <Arrst>	[0..1]	Indicator		1882
	InvestigationStatus <InvstgtnSts>	[0..1]	Text		1882

45.1.12.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of fraud for which a report is established. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "FraudType2Code" on page 2119

CodeName	Name	Definition
ACTO	AccountTakeover	Fraudulent transaction due to the unauthorised use of a card account by a person with the intent to defraud the issuer of the card.
CWUI	CounterfeitWithUnassignedIIN	Fraudulent transaction where the acquirer confirmed that the IIN (Issuer Identification Number) used was either never issued or is invalid.
CRNT	CardNotReceived	Fraudulent transaction with a card that was not received by the cardholder.
FRAC	FraudulentAccountUse	Fraudulent use of an account.
FRAP	FraudulentApplication	Fraudulent transaction on an account that the cardholder never applied for or the information on the application was falsified.
CWKA	CounterfeitWithExistingAccount	Fraudulent transaction with an altered or duplicated card in a card-present environment where the cardholder did not knowingly participate or the account was not created.
CRDL	LostCard	Fraudulent transaction with a card that has been reported as lost
MISC	Miscellaneous	Fraudulent transaction that cannot be categorised as one of the standard fraud types.
CRDS	StolenCard	Fraudulent transaction with a card that has been reported as stolen.
CNPA	CardNotPresentAccountUse	Fraudulent use in a card-not-present environment of an account.
MUFD	MultipleUseFraud	Merchant makes additional transactions against a card when consumer authorised for one legitimate transaction.
COSN	Collusion	Two parties colluding for the purpose of creating fraudulent transaction. For example, a cardholder and merchant.

45.1.12.2.2 Action <Actn>

Presence: [1..1]

Definition: Identifies the type of fraud reporting action. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "FraudReportingAction2Code" on page 2119

CodeName	Name	Definition
DUPL	Duplicate	Fraud information already reported.
CLSE	Close	Closing a previously reported fraud.
NEWF	New	New fraud information not reported yet.
REOP	Reopen	Reopen a previously closed reported fraud case

CodeName	Name	Definition
UPDT	Update	Update information about a fraud already reported.

45.1.12.2.3 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.12.2.4 CompromisedCredential <CmprsdCrndtl>

Presence: [0..*]

Definition: Identifies the type of cardholder credential that was compromised.

Datatype: "AuthenticationMethod13Code" on page 2105

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account-based digital signature authentication.
ADVF	AddressDigits	Digits of the address.
ARNB	AlienRegistrationNumber	Number assigned by a government agency to identify foreign nationals.
ARPC	ARPCVerification	Response Card Cryptogram (ARPC) verification.

CodeName	Name	Definition
ARQC	ARQCVerification	Verification of a cryptogram generated by a chip card, for instance an ARQC (Authorisation Request Cryptogram).
ATCC	ATC	Application Transaction Counter
BTHD	BirthDate	Date of birth of a person.
CHSA	CardholderAddress	Verification whether the address corresponds to the cardholder's one.
CHDN	CardholderName	Name of cardholder
CUID	CustomerIdentification	Customer number used as a mechanism of authentication.
DRVI	DriverIdentification	Identification of a driver in a fleet of vehicles.
DRLN	DriverLicenseNumber	Number assigned by a driving license authority to a person driving a car.
EMAL	Email	Electronic mail address
EMIN	EmployeeIdentificationNumber	Number assigned to an employee by an employer.
EMRN	EmployerIdentificationNumber	Number assigned to an employer by a registration authority.
IDCN	IdentityCardNumber	Number assigned by a national authority to an identity card.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
NVSC	NonVisibleCSC	Non visible Card Security Code.
FBIG	OffLineBiographics	Biographics authentication in an offline mode.
FBIO	OffLineBiometrics	Biometrics authentication in an offline mode
OLDA	OffLineDataAuthentication	Authentication of data in an offline mode
OLDS	OffLineDigitisedSignatureAnalysis	Analysis of signature transmitted offline
OFPE	OffLinePINEncrypted	PIN generated offline and transmitted encrypted
FCPN	OffLinePINInClear	PIN generated offline and transmitted in clear
OTPW	OneTimePassword	Verification of a one-time password provided by the issuer.
NBIG	OnLineBiographics	Biographics authentication in an online mode.
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
OCHI	OtherCardholderIdentification	Other cardholder data provided for identification.
PPSG	PaperSignature	Handwritten paper signature.

CodeName	Name	Definition
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
PASN	PassportNumber	Number assigned by a passport authority to a passport.
PSWD	Password	Authentication by a password.
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature
PLOB	PlaceOfBirth	Place of birth of a person.
PCDV	PostalCode	Verification based on digits of the postal code.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
SHAF	ShippingAddressFrom	Shipping address from verification.
SHAT	ShippingAddressTo	Shipping address to verification
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
SSNB	SocialSecurityNumber	Number assigned by a social security agency.
TXIN	TaxIdentificationNumber	Number assigned by a tax authority to an entity.
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
TOKN	TokenAuthentication	Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token.
QWAC	QualifiedCertificate	QualifiedCertificate
PHOM	PhoneHome	Customer home phone number.
PWOR	PhoneWork	Customer work phone number
THDS	ThreeDS	Authentication performed during a secure electronic commerce transaction.
ADDB	BillingAddressVerification	Cardholder billing address verification.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
CSCV	CSCVerification	Verification of Card Security Code.

CodeName	Name	Definition
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NTID	NationalIdentifier	Nationally assigned identifier.
ACSN	AcceptorCertificateSerialNumber	Serial number of the acceptor's certificate.
CHSN	CardholderCertificateSerialNumber	Serial number of the cardholder's certificate.
OTHC	OtherCryptogram	Verification of a cryptogram generated by a non-card form factor.
OTHR	Other	Other customer authentication.

45.1.12.2.5 CardholderReportingDate <CrhdldrRptgDt>

Presence: [0..1]

Definition: Date of fraud as reported by the cardholder

Datatype: "ISODate" on page 2151

45.1.12.2.6 ConfirmationReportingDate <ConfRptgDt>

Presence: [0..1]

Definition: Date fraud was confirmed by the cardholder.

Datatype: "ISODate" on page 2151

45.1.12.2.7 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 2163

45.1.12.2.8 MarketSegment <MktSgmt>

Presence: [0..1]

Definition: Type of market segment of confirmed fraud.

Datatype: "Max35Text" on page 2163

45.1.12.2.9 CaseLocatorNumber <CaseLctrNb>

Presence: [0..1]

Definition: Case locator number.

Datatype: "Max35Text" on page 2163

45.1.12.2.10 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference of fraudulent case.

Datatype: "Max35Text" on page 2163

45.1.12.2.11 Arrest <Arrst>

Presence: [0..1]

Definition: Indicates whether the party that committed fraud was arrested or not.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.12.2.12 InvestigationStatus <InvstgtnSts>

Presence: [0..1]

Definition: Investigation status at time of submission.

Datatype: "Max256Text" on page 2162

45.1.13 Miscellaneous

45.1.13.1 LocalData24

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1882
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1883
	Name <Nm>	[0..1]	±		1883
	AliasName <AliasNm>	[0..1]	Text		1883
	Occupation <Ocptn>	[0..1]	Text		1883
	Address <Adr>	[0..1]	±		1883
	ShippingAddress <ShppgAdr>	[0..*]	±		1884
	PrivateData <PrvtData>	[0..*]	(External Schema)		1884
	NationalData <NtlData>	[0..*]	(External Schema)		1885

45.1.13.1.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.1.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.1.3 Name <Nm>

Presence: [0..1]

Definition: Name of the financial customer in the local language.

Name <Nm> contains the following elements (see "CardholderName2" on page 1885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1885
	GivenName <GvnNm>	[0..1]	Text		1885
	MiddleName <MddlNm>	[0..1]	Text		1885
	LastName <LastNm>	[0..1]	Text		1885

45.1.13.1.4 AliasName <AliasNm>

Presence: [0..1]

Definition: Alias name of the customer in local language.

Datatype: "Max140Text" on page 2159

45.1.13.1.5 Occupation <Ocptn>

Presence: [0..1]

Definition: Occupation of the customer in local language.

Datatype: "Max70Text" on page 2167

45.1.13.1.6 Address <Adr>

Presence: [0..1]

Definition: Structured postal address in the local language.

Address <Adr> contains the following elements (see "[LocalAddress2](#)" on page 1391 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.13.1.7 ShippingAddress <ShppgAdr>

Presence: [0..*]

Definition: Complete shipping address of the cardholder.

ShippingAddress <ShppgAdr> contains the following elements (see "[LocalAddress1](#)" on page 1387 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		1388
	AddressLine2 <AdrLine2>	[0..1]	Text		1388
	StreetName <StrtNm>	[0..1]	Text		1388
	BuildingNumber <BldgNb>	[0..1]	Text		1388
	PostalCode <PstlCd>	[0..1]	Text		1388
	TownName <TwnNm>	[0..1]	Text		1388
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1389
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1389

45.1.13.1.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.1.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.2 CardholderName2

Definition: Name of the cardholder in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1885
	GivenName <GvnNm>	[0..1]	Text		1885
	MiddleName <MddINm>	[0..1]	Text		1885
	LastName <LastNm>	[0..1]	Text		1885

45.1.13.2.1 Name <Nm>

Presence: [0..1]

Definition: Local language equivalent of the name of the cardholder.

Datatype: "Max140Text" on page 2159

45.1.13.2.2 GivenName <GvnNm>

Presence: [0..1]

Definition: Local language equivalent of the first name of the cardholder.

Datatype: "Max70Text" on page 2167

45.1.13.2.3 MiddleName <MddINm>

Presence: [0..1]

Definition: Local language equivalent of the middle name or initials present in the name of a person.

Datatype: "Max70Text" on page 2167

45.1.13.2.4 LastName <LastNm>

Presence: [0..1]

Definition: Local language equivalent of the last name or surname of the cardholder.

Datatype: "Max70Text" on page 2167

45.1.13.3 LocalData22

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1886
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1886
	TransactionDescription <TxDesc>	[1..1]	Text		1886
	PrivateData <PrvtData>	[0..*]	(External Schema)		1886
	NationalData <NtlData>	[0..*]	(External Schema)		1886

45.1.13.3.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.3.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.3.3 TransactionDescription <TxDesc>

Presence: [1..1]

Definition: Contains transaction description in local language.

Datatype: "Max2000Text" on page 2161

45.1.13.3.4 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.3.5 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.4 LocalData21

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1887
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1887
	Name <Nm>	[0..1]	±		1887
	AliasName <AliasNm>	[0..1]	Text		1888
	Occupation <Ocptn>	[0..1]	Text		1888
	Address <Adr>	[0..1]	±		1888
	PrivateData <PrvtData>	[0..*]	(External Schema)		1888
	NationalData <NtlData>	[0..*]	(External Schema)		1889

45.1.13.4.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.4.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.4.3 Name <Nm>

Presence: [0..1]

Definition: Name of the financial customer in the local language.

Name <Nm> contains the following elements (see ["CardholderName2"](#) on page 1885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1885
	GivenName <GvnNm>	[0..1]	Text		1885
	MiddleName <MddlNm>	[0..1]	Text		1885
	LastName <LastNm>	[0..1]	Text		1885

45.1.13.4.4 AliasName <AliasNm>

Presence: [0..1]

Definition: Alias name of the customer in local language.

Datatype: ["Max140Text"](#) on page 2159

45.1.13.4.5 Occupation <Ocptn>

Presence: [0..1]

Definition: Occupation of the customer in local language.

Datatype: ["Max70Text"](#) on page 2167

45.1.13.4.6 Address <Adr>

Presence: [0..1]

Definition: Structured postal address in the local language.

Address <Adr> contains the following elements (see ["LocalAddress2"](#) on page 1391 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.13.4.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.4.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.5 LocalData23

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1889
	EncodingFormat <NcdgFrmt>	[0..1]	Text		1889
	MailingAddress <MlngAdr>	[0..1]	±		1890
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		1890
	MailedFromPostalCode <MldFrPstlCd>	[0..1]	Text		1890
	CardholderName <CrdhldrNm>	[0..1]	±		1890
	AdditionalInformation <AddtlInf>	[0..*]	(External Schema)		1891
	PrivateData <PrvtData>	[0..*]	(External Schema)		1891
	NationalData <NtlData>	[0..*]	(External Schema)		1891

45.1.13.5.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.5.2 EncodingFormat <NcdgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.5.3 MailingAddress <MIngAdr>

Presence: [0..1]

Definition: For cases where the card was not received, contains the local language equivalent of where the card was mailed to.

MailingAddress <MIngAdr> contains the following elements (see "[LocalAddress1](#)" on page 1387 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		1388
	AddressLine2 <AdrLine2>	[0..1]	Text		1388
	StreetName <StrtNm>	[0..1]	Text		1388
	BuildingNumber <BldgNb>	[0..1]	Text		1388
	PostalCode <PstlCd>	[0..1]	Text		1388
	TownName <TwnNm>	[0..1]	Text		1388
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1389
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1389

45.1.13.5.4 MailingAddressUnstructured <MIngAdrUstrd>

Presence: [0..1]

Definition: For cases where the card was not received, contains the local language equivalent of the Unstructured mailing address where the card was mailed to.

Datatype: "[Max512Text](#)" on page 2166

45.1.13.5.5 MailedFromPostalCode <MldFrPstlCd>

Presence: [0..1]

Definition: For cases where the card was not received, contains the local language equivalent of the postal code where the card was mailed from.

Datatype: "[Max35Text](#)" on page 2163

45.1.13.5.6 CardholderName <CrdhldrNm>

Presence: [0..1]

Definition: Local language equivalent of the Cardholder name.

CardholderName <CrhdldrNm> contains the following elements (see "[CardholderName2](#)" on page 1885 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1885
	GivenName <GvnNm>	[0..1]	Text		1885
	MiddleName <MddlNm>	[0..1]	Text		1885
	LastName <LastNm>	[0..1]	Text		1885

45.1.13.5.7 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the settlement report.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.5.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.5.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.6 DisputeDocumentation2

Definition: Documentation information relevant to the destination.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1892
	Type <Tp>	[0..1]	Text		1892
	Value <Val>	[1..1]	Text		1892

45.1.13.6.1 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "OutputFormat6Code" on page 2133

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
SMSI	ShortMessageService	Short message service
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

45.1.13.6.2 Type <Tp>

Presence: [0..1]

Definition: Defines the type of the value.

Datatype: "Max35Text" on page 2163

45.1.13.6.3 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 2161

45.1.13.7 LocalData19

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1893
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1893
	BusinessName <BizNm>	[0..1]	Text		1893
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1893
	NameAndLocation <NmAndLctn>	[0..1]	Text		1893
	Address <Adr>	[0..1]	±		1894
	ServiceLocation <SvcLctn>	[0..1]	±		1894
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1894
	AdditionalContact <AddtlCtct>	[0..1]	Text		1895
	PrivateData <PrvtData>	[0..*]	(External Schema)		1895
	NationalData <NtlData>	[0..*]	(External Schema)		1895

45.1.13.7.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.7.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.7.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acceptor in the local language.

Datatype: "Max70Text" on page 2167

45.1.13.7.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party in the local language

Datatype: "Max210Text" on page 2162

45.1.13.7.5 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of acceptor in the local language. May only contain name when the location is specified elsewhere.

Datatype: "Max200Text" on page 2161

45.1.13.7.6 Address <Adr>

Presence: [0..1]

Definition: Structured postal address in the local language.

Address <Adr> contains the following elements (see "LocalAddress2" on page 1391 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.13.7.7 ServiceLocation <SvcLctn>

Presence: [0..1]

Definition: Location where the cardholder receive the service. Only required if the service location is different than acceptor location.

ServiceLocation <SvcLctn> contains the following elements (see "LocalAddress1" on page 1387 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		1388
	AddressLine2 <AdrLine2>	[0..1]	Text		1388
	StreetName <StrtNm>	[0..1]	Text		1388
	BuildingNumber <BldgNb>	[0..1]	Text		1388
	PostalCode <PstlCd>	[0..1]	Text		1388
	TownName <TwnNm>	[0..1]	Text		1388
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1389
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1389

45.1.13.7.8 AdditionalAddress <AddtlAdr>

Presence: [0..1]

Definition: Additional information used when card acceptor street address is insufficient.

Datatype: "Max512Text" on page 2166

45.1.13.7.9 AdditionalContact <AddtlCtct>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the card acceptor, for instance sales agent name, dispute manager name.

Datatype: "Max512Text" on page 2166

45.1.13.7.10 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.7.11 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.8 Header72

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1896
	ProtocolVersion <PrtcolVrsn>	[0..1]	Text		1896
	ExchangeIdentification <Xchgld>	[0..1]	Text		1896
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1896
	CreationDateTime <CreDtTm>	[0..1]	DateTime		1896
	CollectionIdentification <Colltnld>	[0..1]	Text		1897
	BatchIdentification <Btchld>	[0..1]	Text		1897
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		1897
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		1897
	InitiatingPartyIdentification <InitgPtyld>	[0..1]	Text		1897
	RecipientPartyIdentification <RcptPtyld>	[0..1]	Text		1897
	TraceData <TracData>	[0..1]	Text		1897

45.1.13.8.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "ExternalMessageFunction1Code" on page 2117

45.1.13.8.2 ProtocolVersion <PrtcolVrsn>

Presence: [0..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 2161

45.1.13.8.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 2163

45.1.13.8.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 2164

45.1.13.8.5 CreationDateTime <CreDtTm>

Presence: [0..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 2152

45.1.13.8.6 CollectionIdentification <ColltnId>

Presence: [0..1]

Definition: Identification of the collection to which the batch belongs.

Datatype: "Max35Text" on page 2163

45.1.13.8.7 BatchIdentification <BtchId>

Presence: [0..1]

Definition: Identification of the batch to which the message belongs.

Datatype: "Max35Text" on page 2163

45.1.13.8.8 MessageSequenceNumber <MsgSeqNb>

Presence: [0..1]

Definition: Sequence number of the message inside the batch.

Datatype: "Max15NumericText" on page 2159

45.1.13.8.9 MessageChecksumInputValue <MsgChcksmInptVal>

Presence: [0..1]

Definition: Value of the message to use for the computation of the checksum of the batch or collection of messages.

Datatype: "Max140Binary" on page 2097

45.1.13.8.10 InitiatingPartyIdentification <InitgPtyId>

Presence: [0..1]

Definition: Unique identification of the partner that has initiated the exchange.

Datatype: "Max35Text" on page 2163

45.1.13.8.11 RecipientPartyIdentification <RcptPtyId>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

Datatype: "Max35Text" on page 2163

45.1.13.8.12 TraceData <TracData>

Presence: [0..1]

Definition: Information sent in the request message to be returned in the response one, for instance to help in the retrieval of the context of the exchange.

Datatype: "Max70Text" on page 2167

45.1.13.9 LocalData20

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.13.9.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.9.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.9.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the party in local language.

Datatype: "Max70Text" on page 2167

45.1.13.9.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party in local language.

Datatype: "Max210Text" on page 2162

45.1.13.9.5 Address <Adr>

Presence: [0..1]

Definition: Structured postal address in the local language.

Address <Adr> contains the following elements (see "[LocalAddress2](#)" on page 1391 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.13.9.6 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.9.7 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.10 LocalData18

Definition: Contains text fields in the local language.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1900
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1900
	BusinessName <BizNm>	[0..1]	Text		1900
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1900
	Address <Adr>	[0..1]	±		1900
	PrivateData <PrvtData>	[0..*]	(External Schema)		1901
	NationalData <NtlData>	[0..*]	(External Schema)		1901

45.1.13.10.1 Language <Lang>

Presence: [1..1]

Definition: The language code conforming to ISO 639-1 that identifies the language in which the fields are expressed in this component.

Datatype: "ISOMax3ALanguageCode" on page 2128

45.1.13.10.2 EncodingFormat <NcodgFrmt>

Presence: [0..1]

Definition: Data encoding format for local data.

Datatype: "Max35Text" on page 2163

45.1.13.10.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the party.

Datatype: "Max70Text" on page 2167

45.1.13.10.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party in local language

Datatype: "Max210Text" on page 2162

45.1.13.10.5 Address <Adr>

Presence: [0..1]

Definition: Address information in local language.

Address <Adr> contains the following elements (see "[LocalAddress2](#)" on page 1391 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1391
	Line2 <Line2>	[0..1]	Text		1391
	StreetName <StrtNm>	[0..1]	Text		1392
	BuildingNumber <BldgNb>	[0..1]	Text		1392
	PostalCode <PstlCd>	[0..1]	Text		1392
	TownName <TwnNm>	[0..1]	Text		1392
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1392
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1392

45.1.13.10.6 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.10.7 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.13.11 PointOfInteractionComponent16

Definition: Data related to a component of the POI (Point Of Interaction) performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1902
	ItemNumber <ItmNb>	[0..1]	Text		1903
	ProviderIdentification <PrvdrlId>	[0..1]	Text		1903
	Identification <Id>	[0..1]	Text		1903
	SerialNumber <SrlNb>	[0..1]	Text		1903

45.1.13.11.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType5Code" on page 2135

CodeName	Name	Definition
AQPP	AcquirerProtocolParameters	Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters.
APPR	ApplicationParameters	Parameters of a payment application running on the point of interaction.
TLPR	TerminalParameters	Manufacturer configuration parameters of the point of interaction.
SCPR	SecurityParameters	Security parameters of the point of interaction.
SERV	Server	Payment server of a point of interaction system.
TERM	Terminal	Payment terminal point of interaction.
DVCE	Device	Device sub-component of a component of the point of interaction.
SECM	SecureModule	Security module.
APLI	PaymentApplication	Payment application software.
EMVK	EMVKernel	EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
EMVO	EMVLevel1	EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
MDWR	Middleware	Software module of the point of interaction.
DRVR	Driver	Driver module of the point of interaction.
OPST	OperatingSystem	Software that manages hardware to provide common services to the applications.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).

CodeName	Name	Definition
CRTF	CertificateParameters	Certificate provided by a terminal manager.
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
SACP	SaleComponent	Component of the Sale system.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.

45.1.13.11.2 ItemNumber <ItmNb>

Presence: [0..1]

Definition: Hierarchical identification of a hardware component inside all the hardware component of the POI. It is composed of all item numbers of the upper level components, separated by the '.' character, ended by the item number of the current component.

Datatype: "Max35Text" on page 2163

45.1.13.11.3 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identifies the provider of the software, hardware or parameters of the POI component.

Datatype: "Max35Text" on page 2163

45.1.13.11.4 Identification <Id>

Presence: [0..1]

Definition: Identification of the POI component assigned by its provider.

Datatype: "Max35Text" on page 2163

45.1.13.11.5 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: "Max70Text" on page 2167

45.1.14 Organisation Identification

45.1.14.1 AcceptorData4

Definition: Information related the acceptor.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1904
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1904
	BusinessName <BizNm>	[0..1]	Text		1904
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1904
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1905
	AppliedAddress <ApIdAdr>	[0..1]	±		1905
	NameAndLocation <NmAndLctn>	[0..1]	Text		1906
	URLAddress <URLAdr>	[0..1]	Text		1906
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1906
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1906
	LocalData <LclData>	[0..*]	±		1907
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1907
	PartnerIdentification <PrtnrId>	[0..1]	Text		1907
	PrivateData <PrvtData>	[0..*]	(External Schema)		1907
	NationalData <NtlData>	[0..*]	(External Schema)		1907

45.1.14.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.1.2 SchemeAssignedIdentification <SchmeAssgndId>

Presence: [0..1]

Definition: Unique identification to the acceptor assigned by the scheme

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.1.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.1.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party.

Datatype: "Max99Text" on page 2168

45.1.14.1.5 SubmittedAddress <SubmittdAdr>

Presence: [0..1]

Definition: Submitted address of the acceptor.

SubmittedAddress <SubmittdAdr> contains the following elements (see "[Address4](#)" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.1.6 AppliedAddress <ApldAdr>

Presence: [0..1]

Definition: Applied or corrected address of the acceptor.

AppliedAddress <ApIdAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.1.7 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of acceptor. May only contain name and not location if the location is specified elsewhere.

Datatype: "Max99Text" on page 2168

45.1.14.1.8 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.14.1.9 BusinessRegistrationIdentification <BizRegnId>

Presence: [0..1]

Definition: Contains business registration Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.1.10 BusinessRegistrationIdentificationType <BizRegnIdTp>

Presence: [0..1]

Definition: Contains the type of acceptor's business registration Identification.

Datatype: "Max35Text" on page 2163

45.1.14.1.11 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData18" on page 1899 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1900
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1900
	BusinessName <BizNm>	[0..1]	Text		1900
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1900
	Address <Adr>	[0..1]	±		1900
	PrivateData <PrvtData>	[0..*]	(External Schema)		1901
	NationalData <NtlData>	[0..*]	(External Schema)		1901

45.1.14.1.12 AdditionalTransactionReferenceNumber <AddtlTxRefNb>

Presence: [0..1]

Definition: Contains a code that facilitates card acceptor/corporation communication and record keeping.

Datatype: "Max70Text" on page 2167

45.1.14.1.13 PartnerIdentification <PrtnrId>

Presence: [0..1]

Definition: Identifies a specific partnership agreement, generally between specific acceptors and issuers.

Datatype: "Max35Text" on page 2163

45.1.14.1.14 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.1.15 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.2 PayeeData1

Definition: Identification of a payee.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1908
	Identification <Id>	[0..1]	Text		1909
	Designation <Dsgnt>	[0..1]	Text		1909
	EntityType <NttyTp>	[0..1]	Text		1909
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1910
	AccountIdentifier <Acctldr>	[0..1]	Text		1910
	Credentials <Crdntls>	[0..*]	±		1910
	Name <Nm>	[0..1]	Text		1910
	GivenName <GvnNm>	[0..1]	Text		1910
	MiddleName <MddlNm>	[0..1]	Text		1911
	LastName <LastNm>	[0..1]	Text		1911
	Address <Adr>	[0..1]	±		1911
	Contact <Ctct>	[0..1]	±		1911
	Nationality <Ntlty>	[0..1]	CodeSet		1912
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1912
	DateOfBirth <DtOfBirth>	[0..1]	Date		1912
	AliasName <AliasNm>	[0..1]	Text		1912
	Occupation <Ocptr>	[0..1]	Text		1912
	PrivateData <PrvtData>	[0..*]	(External Schema)		1913
	NationalData <NtlData>	[0..*]	(External Schema)		1913
	LocalData <LclData>	[0..1]	±		1913

45.1.14.2.1 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial institution-related data required by business and/or regulation (for example, money or funds transfer).

FinancialInstitution <FI> contains the following elements (see "[FinancialInstitution10](#)" on page 1869 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1870
	Name <Nm>	[0..1]	Text		1870
	Address <Adr>	[0..1]	±		1870
	Email <Email>	[0..1]	Text		1871
	URL <URL>	[0..1]	Text		1871
	Phone <Phne>	[0..1]	Text		1871
	CustomerService <CstmrSvc>	[0..1]	Text		1871
	AdditionalContact <AddtlCtct>	[0..1]	Text		1871
	LocalData <LclData>	[0..1]			1872
	Language <Lang>	[1..1]	CodeSet		1872
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1872
	Name <Nm>	[0..1]	Text		1872
	Address <Adr>	[0..1]	±		1872
	AdditionalContact <AddtlCtct>	[0..1]	Text		1873
	AdditionalData <AddtlData>	[0..*]			1873
	Type <Tp>	[0..1]	Text		1873
	Value <Val>	[0..1]	Text		1873

45.1.14.2.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the payee.

Datatype: "[Max35Text](#)" on page 2163

45.1.14.2.3 Designation <Dsgnt>

Presence: [0..1]

Definition: Identifies the specific payee when multiple payees are associated with the same account.

Datatype: "[Max2NumericText](#)" on page 2162

45.1.14.2.4 EntityType <NttyTp>

Presence: [0..1]

Definition: Entity type of the payee, such as business, or individual.

Datatype: "[Max3Text](#)" on page 2164

45.1.14.2.5 AccountIdentifierType <AcctldrTp>

Presence: [0..1]

Definition: Type of the payee's account identifier.

Datatype: "ISO8583AccountIdentifierTypeCode" on page 2125

45.1.14.2.6 AccountIdentifier <Acctldr>

Presence: [0..1]

Definition: Value of the payee's account identifier.

Datatype: "Max70Text" on page 2167

45.1.14.2.7 Credentials <Crdrntl>

Presence: [0..*]

Definition: Credentials of the payee.

Credentials <Crdrntl> contains the following elements (see "Credentials3" on page 1961 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1961
	OtherType <OthrTp>	[0..1]	Text		1961
	SubType <SubTp>	[0..1]	Text		1961
	Value <Val>	[1..1]	Text		1962
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1962
	Assigner <Assgnr>	[0..1]			1962
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.14.2.8 Name <Nm>

Presence: [0..1]

Definition: Name of the cardholder, which is usually the full name.

Datatype: "Max105Text" on page 2157

45.1.14.2.9 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.14.2.10 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.14.2.11 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.14.2.12 Address <Adr>

Presence: [0..1]

Definition: Address of the payee.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.2.13 Contact <Ctct>

Presence: [0..1]

Definition: Detail contact information of the payee.

Contact <Ctct> contains the following elements (see ["ContactPersonal2"](#) on page 1980 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.14.2.14 Nationality <Ntlty>

Presence: [0..1]

Definition: Nationality information (ISO 3166-1 alpha-2 or alpha-3) of the payee.

Datatype: ["ISOMax3ACountryCode"](#) on page 2128

45.1.14.2.15 CountryOfBirth <CtryOfBirth>

Presence: [0..1]

Definition: Country of Birth information (ISO 3166-1 alpha-2 or alpha-3) of the payee.

Datatype: ["ISOMax3ACountryCode"](#) on page 2128

45.1.14.2.16 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the payee.

Datatype: ["ISODate"](#) on page 2151

45.1.14.2.17 AliasName <AliasNm>

Presence: [0..1]

Definition: Alias name of the payee.

Datatype: ["Max70Text"](#) on page 2167

45.1.14.2.18 Occupation <Ocptn>

Presence: [0..1]

Definition: The occupation of the payee.

Datatype: ["Max35Text"](#) on page 2163

45.1.14.2.19 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.2.20 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.2.21 LocalData <LclData>

Presence: [0..1]

Definition: Contains text fields in the local language.

LocalData <LclData> contains the following elements (see "[LocalData21](#)" on page 1887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1887
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1887
	Name <Nm>	[0..1]	±		1887
	AliasName <AliasNm>	[0..1]	Text		1888
	Occupation <Ocptr>	[0..1]	Text		1888
	Address <Adr>	[0..1]	±		1888
	PrivateData <PrvtData>	[0..*]	(External Schema)		1888
	NationalData <NtlData>	[0..*]	(External Schema)		1889

45.1.14.3 TransactorData1

Definition: Information related to the transactor who provides technical payment solutions for acceptor and originator to conduct transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1914
	Identification <Id>	[1..1]	Text		1914
	BusinessIdentification <BizId>	[0..1]	Text		1914
	BusinessName <BizNm>	[0..1]	Text		1914
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1914
	Address <Adr>	[0..1]	±		1915
	PrivateData <PrvtData>	[0..*]	(External Schema)		1915
	NationalData <NtlData>	[0..*]	(External Schema)		1915
	LocalData <LclData>	[0..*]	±		1916
	SubMerchant <SubMrchnt>	[0..*]	±		1916

45.1.14.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of the transactor.

Datatype: "ExternalTransactorType1Code" on page 2118

45.1.14.3.2 Identification <Id>

Presence: [1..1]

Definition: Identification of the issuer.

Datatype: "Max11NumericText" on page 2159

45.1.14.3.3 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the issuer.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.3.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the issuer.

Datatype: "Max35Text" on page 2163

45.1.14.3.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the issuer.

Datatype: "Max99Text" on page 2168

45.1.14.3.6 Address <Adr>

Presence: [0..1]

Definition: Address of the issuer.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.3.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.3.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.3.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.3.10 SubMerchant <SubMrchnt>

Presence: [0..*]

Definition: Submerchant is a merchant that uses the transactor to complete the transaction, such as retailer, utility service provider, sponsored merchant.

Sponsored merchant is a merchant that uses the payment services of another entity, such as marketplace, utility service provider, payment facilitator, third party biller, etc.

SubMerchant <SubMrchnt> contains the following elements (see "[SubMerchant1](#)" on page 1942 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1943
	Assigner <Assgnr>	[0..1]	Text		1943
	Country <Ctry>	[0..1]	CodeSet		1943
	Foreign <Frgn>	[0..1]	Text		1943
	BusinessName <BizNm>	[0..1]	Text		1943
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1944
	Address <Adr>	[0..1]	±		1944
	GeographicLocation <GeogcLctn>	[0..1]	Text		1944
	PrivateData <PrvtData>	[0..*]	(External Schema)		1944
	NationalData <NtlData>	[0..*]	(External Schema)		1945
	LocalData <LclData>	[0..*]	±		1945

45.1.14.4 PayerData1

Definition: Identification of a payer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1917
	Identification <Id>	[0..1]	Text		1918
	Designation <Dsgnt>	[0..1]	Text		1918
	EntityType <NttyTp>	[0..1]	Text		1918
	AccountIdentifierType <AcctldrTp>	[0..1]	CodeSet		1919
	AccountIdentifier <Acctldr>	[0..1]	Text		1919
	Credentials <Crntls>	[0..*]	±		1919
	Name <Nm>	[0..1]	Text		1919
	GivenName <GvnNm>	[0..1]	Text		1919
	MiddleName <MddlNm>	[0..1]	Text		1920
	LastName <LastNm>	[0..1]	Text		1920
	Address <Adr>	[0..1]	±		1920
	Contact <Ctct>	[0..1]	±		1920
	Nationality <Ntlty>	[0..1]	CodeSet		1921
	CountryOfBirth <CtryOfBirth>	[0..1]	CodeSet		1921
	DateOfBirth <DtOfBirth>	[0..1]	Date		1921
	AliasName <AliasNm>	[0..1]	Text		1921
	Occupation <Ocptn>	[0..1]	Text		1921
	PrivateData <PrvtData>	[0..*]	(External Schema)		1922
	NationalData <NtlData>	[0..*]	(External Schema)		1922
	LocalData <LclData>	[0..1]	±		1922

45.1.14.4.1 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial institution-related data required by business and/or regulation (for example, money or funds transfer).

FinancialInstitution <FI> contains the following elements (see "FinancialInstitution10" on page 1869 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1870
	Name <Nm>	[0..1]	Text		1870
	Address <Adr>	[0..1]	±		1870
	Email <Email>	[0..1]	Text		1871
	URL <URL>	[0..1]	Text		1871
	Phone <Phne>	[0..1]	Text		1871
	CustomerService <CstmrSvc>	[0..1]	Text		1871
	AdditionalContact <AddtlCtct>	[0..1]	Text		1871
	LocalData <LclData>	[0..1]			1872
	Language <Lang>	[1..1]	CodeSet		1872
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1872
	Name <Nm>	[0..1]	Text		1872
	Address <Adr>	[0..1]	±		1872
	AdditionalContact <AddtlCtct>	[0..1]	Text		1873
	AdditionalData <AddtlData>	[0..*]			1873
	Type <Tp>	[0..1]	Text		1873
	Value <Val>	[0..1]	Text		1873

45.1.14.4.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the payer.

Datatype: "Max35Text" on page 2163

45.1.14.4.3 Designation <Dsgnt>

Presence: [0..1]

Definition: Identifies the specific payer when multiple payers are associated with the same account.

Datatype: "Max2NumericText" on page 2162

45.1.14.4.4 EntityType <NttyTp>

Presence: [0..1]

Definition: Entity type of the payer, such as business, or individual.

Datatype: "Max3Text" on page 2164

45.1.14.4.5 AccountIdentifierType <AcctldrTp>

Presence: [0..1]

Definition: Type of the payer's account identifier.

Datatype: "ISO8583AccountIdentifierTypeCode" on page 2125

45.1.14.4.6 AccountIdentifier <Acctldr>

Presence: [0..1]

Definition: Value of the payer's account identifier.

Datatype: "Max70Text" on page 2167

45.1.14.4.7 Credentials <Crdrntl>

Presence: [0..*]

Definition: Credentials of the payer.

Credentials <Crdrntl> contains the following elements (see "Credentials3" on page 1961 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1961
	OtherType <OthrTp>	[0..1]	Text		1961
	SubType <SubTp>	[0..1]	Text		1961
	Value <Val>	[1..1]	Text		1962
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1962
	Assigner <Assgnr>	[0..1]			1962
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.14.4.8 Name <Nm>

Presence: [0..1]

Definition: Name of the cardholder, which is usually the full name.

Datatype: "Max105Text" on page 2157

45.1.14.4.9 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.14.4.10 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.14.4.11 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.14.4.12 Address <Adr>

Presence: [0..1]

Definition: Address of the payer.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.4.13 Contact <Ctct>

Presence: [0..1]

Definition: Detail contact information of the payer.

Contact <Ctct> contains the following elements (see ["ContactPersonal2"](#) on page 1980 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.14.4.14 Nationality <Ntlty>

Presence: [0..1]

Definition: Nationality information (ISO 3166-1 alpha-2 or alpha-3) of the payer

Datatype: ["ISOMax3ACountryCode"](#) on page 2128

45.1.14.4.15 CountryOfBirth <CtryOfBirth>

Presence: [0..1]

Definition: Country of Birth information (ISO 3166-1 alpha-2 or alpha-3) of the payer

Datatype: ["ISOMax3ACountryCode"](#) on page 2128

45.1.14.4.16 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the payer.

Datatype: ["ISODate"](#) on page 2151

45.1.14.4.17 AliasName <AliasNm>

Presence: [0..1]

Definition: Alias name of the payer.

Datatype: ["Max70Text"](#) on page 2167

45.1.14.4.18 Occupation <Ocptn>

Presence: [0..1]

Definition: The occupation of the payer.

Datatype: ["Max35Text"](#) on page 2163

45.1.14.4.19 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.4.20 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.4.21 LocalData <LclData>

Presence: [0..1]

Definition: Contains text fields in the local language.

LocalData <LclData> contains the following elements (see "[LocalData21](#)" on page 1887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1887
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1887
	Name <Nm>	[0..1]	±		1887
	AliasName <AliasNm>	[0..1]	Text		1888
	Occupation <Ocptr>	[0..1]	Text		1888
	Address <Adr>	[0..1]	±		1888
	PrivateData <PrvtData>	[0..*]	(External Schema)		1888
	NationalData <NtlData>	[0..*]	(External Schema)		1889

45.1.14.5 AcquirerData1

Definition: Information related to the acquirer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1923
	BusinessIdentification <BizId>	[0..1]	Text		1923
	Country <Ctry>	[0..1]	CodeSet		1923
	BusinessName <BizNm>	[0..1]	Text		1923
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1923
	Address <Adr>	[0..1]	±		1923
	PrivateData <PrvtData>	[0..*]	(External Schema)		1924
	NationalData <NtlData>	[0..*]	(External Schema)		1924
	LocalData <LclData>	[0..*]	±		1924

45.1.14.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the Acquirer.

Datatype: "Max11NumericText" on page 2159

45.1.14.5.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the acquirer.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.5.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the acquirer.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.5.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acquirer.

Datatype: "Max35Text" on page 2163

45.1.14.5.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the acquirer

Datatype: "Max99Text" on page 2168

45.1.14.5.6 Address <Adr>

Presence: [0..1]

Definition: Address of the acquirer.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.5.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.5.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.5.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.6 AcceptorData1

Definition: Information related the acceptor.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1927
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1927
	BusinessName <BizNm>	[0..1]	Text		1927
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1927
	NameAndLocation <NmAndLctn>	[1..1]	Text		1927
	Address <Adr>	[0..1]	±		1927
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1928
	Email <Email>	[0..1]	Text		1928
	URL <URL>	[0..1]	Text		1928
	Phone <Phne>	[0..1]	Text		1928
	CustomerService <CstmrSvc>	[0..1]	Text		1928
	AdditionalContact <AddtlCtct>	[0..1]	Text		1929
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1929
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1929
	ServiceLocation <SvcLctn>	[0..1]	±		1929
	LocalData <LclData>	[0..*]	±		1930
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1930
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1930
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1930
	BusinessType <BizTp>	[0..1]	Text		1931
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1931
	OwnerType <OwnrTp>	[0..1]	Text		1931
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1931
	CertificationType <CertfctnTp>	[0..1]	Text		1931
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1931
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1931
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1931
	PartnerIdentification <PrtnrId>	[0..1]	Text		1931
	PrivateData <PrvtData>	[0..*]	(External Schema)		1932
	NationalData <NtlData>	[0..*]	(External Schema)		1932

45.1.14.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.6.2 SchemeAssignedIdentification <SchmeAssgndId>

Presence: [0..1]

Definition: Unique identification to the acceptor assigned by the scheme

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.6.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.6.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party.

Datatype: "Max99Text" on page 2168

45.1.14.6.5 NameAndLocation <NmAndLctn>

Presence: [1..1]

Definition: Name and location of acceptor. May only contain name when the location is specified elsewhere.

Datatype: "Max99Text" on page 2168

45.1.14.6.6 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.6.7 AdditionalAddress <AddtlAdr>

Presence: [0..1]

Definition: Additional information used when card acceptor street address is insufficient.

Datatype: "Max256Text" on page 2162

45.1.14.6.8 Email <Email>

Presence: [0..1]

Definition: Electronic mail address.

Datatype: "Max256Text" on page 2162

45.1.14.6.9 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.14.6.10 Phone <Phne>

Presence: [0..1]

Definition: Collection of information that identifies a phone number as defined by telecom services.

Datatype: "Max35Text" on page 2163

45.1.14.6.11 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "Max35Text" on page 2163

45.1.14.6.12 AdditionalContact <AddtlCtct>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the card acceptor, for instance sales agent name, dispute manager name.

Datatype: "Max256Text" on page 2162

45.1.14.6.13 BusinessRegistrationIdentification <BizRegnId>

Presence: [0..1]

Definition: Contains business registration Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.6.14 BusinessRegistrationIdentificationType <BizRegnIdTp>

Presence: [0..1]

Definition: Contains the type of acceptor's business registration Identification.

Datatype: "Max35Text" on page 2163

45.1.14.6.15 ServiceLocation <SvcLctn>

Presence: [0..1]

Definition: Location where the cardholder receive the service. Only required if the service location is different than acceptor location.

ServiceLocation <SvcLctn> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.6.16 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData19" on page 1892 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1893
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1893
	BusinessName <BizNm>	[0..1]	Text		1893
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1893
	NameAndLocation <NmAndLctn>	[0..1]	Text		1893
	Address <Adr>	[0..1]	±		1894
	ServiceLocation <SvcLctn>	[0..1]	±		1894
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1894
	AdditionalContact <AddtlCtct>	[0..1]	Text		1895
	PrivateData <PrvtData>	[0..*]	(External Schema)		1895
	NationalData <NtlData>	[0..*]	(External Schema)		1895

45.1.14.6.17 AdditionalTransactionReferenceNumber <AddtlTxRefNb>

Presence: [0..1]

Definition: Contains a code that facilitates card acceptor/corporation communication and record keeping.

Datatype: "Max70Text" on page 2167

45.1.14.6.18 CorporateTaxIdentification <CorpTaxId>

Presence: [0..1]

Definition: Identification of the company recognized by the taxation authority. Used for reporting corporate-related taxes.

Datatype: "Max35Text" on page 2163

45.1.14.6.19 CorporateTaxIdentificationType <CorpTaxIdTp>

Presence: [0..1]

Definition: Indicates the corporate tax identification type.

Datatype: "CorporateTaxType1Code" on page 2114

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

45.1.14.6.20 BusinessType <BizTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.6.21 BusinessTypeProvidedBy <BizTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.6.22 OwnerType <OwnrTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.6.23 OwnerTypeProvidedBy <OwnrTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.6.24 CertificationType <CertfctnTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.6.25 CertificationTypeProvidedBy <CertfctnTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.6.26 OwnerEthnicityType <OwnrEthnctyTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.6.27 OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.6.28 PartnerIdentification <PrtnrId>

Presence: [0..1]

Definition: Identifies a specific partnership agreement, generally between specific acceptors and issuers.

Datatype: "Max35Text" on page 2163

45.1.14.6.29 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.6.30 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.7 OriginatorData2

Definition: Information related to the acquirer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1932
	BusinessIdentification <BizId>	[0..1]	Text		1933
	Country <Ctry>	[0..1]	CodeSet		1933
	BusinessName <BizNm>	[0..1]	Text		1933
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1933
	Address <Adr>	[0..1]	±		1933
	PrivateData <PrvtData>	[0..*]	(External Schema)		1934
	NationalData <NtlData>	[0..*]	(External Schema)		1934
	LocalData <LclData>	[0..*]	±		1934

45.1.14.7.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the originator.

Datatype: "Max11NumericText" on page 2159

45.1.14.7.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the r.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the originator.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.7.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the originator.

Datatype: "Max35Text" on page 2163

45.1.14.7.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the originator

Datatype: "Max99Text" on page 2168

45.1.14.7.6 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.7.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.7.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.7.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.8 IssuerData1

Definition: Information related to the issuer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1935
	BusinessIdentification <BizId>	[0..1]	Text		1935
	Country <Ctry>	[0..1]	CodeSet		1935
	BusinessName <BizNm>	[0..1]	Text		1936
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1936
	Address <Adr>	[0..1]	±		1936
	PrivateData <PrvtData>	[0..*]	(External Schema)		1936
	NationalData <NtlData>	[0..*]	(External Schema)		1937
	LocalData <LclData>	[0..*]	±		1937

45.1.14.8.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the issuer.

Datatype: "Max11NumericText" on page 2159

45.1.14.8.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the issuer.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.8.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the issuer.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.8.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the issuer.

Datatype: "Max35Text" on page 2163

45.1.14.8.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the issuer.

Datatype: "Max99Text" on page 2168

45.1.14.8.6 Address <Adr>

Presence: [0..1]

Definition: Address of the issuer.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.8.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.8.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.8.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.9 DestinationData1

Definition: Information related to the destination.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1938
	BusinessIdentification <BizId>	[0..1]	Text		1938
	Country <Ctry>	[0..1]	CodeSet		1938
	BusinessName <BizNm>	[0..1]	Text		1938
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1938
	Address <Adr>	[0..1]	±		1938
	PrivateData <PrvtData>	[0..*]	(External Schema)		1939
	NationalData <NtlData>	[0..*]	(External Schema)		1939
	LocalData <LclData>	[0..*]	±		1939

45.1.14.9.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the destination.

Datatype: "Max11NumericText" on page 2159

45.1.14.9.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the destination.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.9.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the destination.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.9.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the destination.

Datatype: "Max35Text" on page 2163

45.1.14.9.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the destination.

Datatype: "Max99Text" on page 2168

45.1.14.9.6 Address <Adr>

Presence: [0..1]

Definition: Address of the destination.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.9.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.9.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.9.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.10 SenderData1

Definition: Information related to the sender.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1940
	BusinessIdentification <BizId>	[0..1]	Text		1940
	Country <Ctry>	[0..1]	CodeSet		1940
	BusinessName <BizNm>	[0..1]	Text		1941
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1941
	Address <Adr>	[0..1]	±		1941
	PrivateData <PrvtData>	[0..*]	(External Schema)		1941
	NationalData <NtlData>	[0..*]	(External Schema)		1942
	LocalData <LclData>	[0..*]	±		1942

45.1.14.10.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the sender.

Datatype: "Max11NumericText" on page 2159

45.1.14.10.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the sender.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.10.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the sender.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.10.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the sender.

Datatype: "Max35Text" on page 2163

45.1.14.10.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the sender.

Datatype: "Max99Text" on page 2168

45.1.14.10.6 Address <Adr>

Presence: [0..1]

Definition: Address of the sender.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.10.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.10.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.10.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.11 SubMerchant1

Definition: Merchant using the payment services of the card acceptor. The submerchant is not acting as the card acceptor.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1943
	Assigner <Assgnr>	[0..1]	Text		1943
	Country <Ctry>	[0..1]	CodeSet		1943
	Foreign <Frqn>	[0..1]	Text		1943
	BusinessName <BizNm>	[0..1]	Text		1943
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1944
	Address <Adr>	[0..1]	±		1944
	GeographicLocation <GeogcLctn>	[0..1]	Text		1944
	PrivateData <PrvtData>	[0..*]	(External Schema)		1944
	NationalData <NtlData>	[0..*]	(External Schema)		1945
	LocalData <LclData>	[0..*]	±		1945

45.1.14.11.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 2163

45.1.14.11.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 2163

45.1.14.11.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.11.4 Foreign <Frqn>

Presence: [0..1]

Definition: Identify the type of foreign sponsored merchant marketplace relationship.

Datatype: "Max3Text" on page 2164

45.1.14.11.5 BusinessName <BizNm>

Presence: [0..1]

Definition: Contains the full name of the sponsored merchant.

Datatype: "Max140Text" on page 2159

45.1.14.11.6 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the sponsored merchant.

Datatype: "Max99Text" on page 2168

45.1.14.11.7 Address <Adr>

Presence: [0..1]

Definition: Address of the sponsored merchant.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.11.8 GeographicLocation <GeogcLctn>

Presence: [0..1]

Definition: Location of the acceptor in latitude/longitude decimal degrees.

Datatype: "GeographicPointInDecimalDegreesText" on page 2157

45.1.14.11.9 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.11.10 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.11.11 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData20](#)" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.12 ReceiverData1

Definition: Information related to the receiver.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1946
	BusinessIdentification <BizId>	[0..1]	Text		1946
	Country <Ctry>	[0..1]	CodeSet		1946
	BusinessName <BizNm>	[0..1]	Text		1946
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1946
	Address <Adr>	[0..1]	±		1946
	PrivateData <PrvtData>	[0..*]	(External Schema)		1947
	NationalData <NtlData>	[0..*]	(External Schema)		1947
	LocalData <LclData>	[0..*]	±		1947

45.1.14.12.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the receiver.

Datatype: "Max11NumericText" on page 2159

45.1.14.12.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for the receiver.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.12.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the receiver.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.12.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the receiver.

Datatype: "Max35Text" on page 2163

45.1.14.12.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the receiver.

Datatype: "Max99Text" on page 2168

45.1.14.12.6 Address <Adr>

Presence: [0..1]

Definition: Address of the receiver.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.12.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.12.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.12.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.13 AcceptorData3

Definition: Information about the acceptor.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1949
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1950
	BusinessName <BizNm>	[0..1]	Text		1950
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1950
	NameAndLocation <NmAndLctn>	[0..1]	Text		1950
	Address <Adr>	[0..1]	±		1950
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1951
	Email <Email>	[0..1]	Text		1951
	URLAddress <URLAdr>	[0..1]	Text		1951
	PhoneNumber <PhneNb>	[0..1]	Text		1951
	CustomerService <CstmrSvc>	[0..1]	Text		1951
	AdditionalContact <AddtlCtct>	[0..1]	Text		1952
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1952
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1952
	LocalData <LclData>	[0..1]	±		1952
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1952
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1953
	BusinessType <BizTp>	[0..1]	Text		1953
	BusinessTypeProvidedBy <BizTpPrvddBy>	[0..1]	Text		1953
	OwnerType <OwnrTp>	[0..1]	Text		1953
	OwnerTypeProvidedBy <OwnrTpPrvddBy>	[0..1]	Text		1953
	CertificationType <CertfctnTp>	[0..1]	Text		1953
	CertificationTypeProvidedBy <CertfctnTpPrvddBy>	[0..1]	Text		1953
	OwnerEthnicityType <OwnrEthnctyTp>	[0..1]	Text		1954
	OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>	[0..1]	Text		1954
	PrivateData <PrvtData>	[0..*]	(External Schema)		1954
	NationalData <NtlData>	[0..*]	(External Schema)		1954

45.1.14.13.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.13.2 SchemeAssignedIdentification <SchmeAssgndId>

Presence: [0..1]

Definition: Unique identification to the acceptor assigned by the scheme

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.13.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.13.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party

Datatype: "Max99Text" on page 2168

45.1.14.13.5 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of acceptor. May only contain name and not location if the location is specified elsewhere.

Datatype: "Max99Text" on page 2168

45.1.14.13.6 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.13.7 AdditionalAddress <AddtlAdr>

Presence: [0..1]

Definition: Additional information used when card acceptor street address is insufficient.

Datatype: "Max256Text" on page 2162

45.1.14.13.8 Email <Email>

Presence: [0..1]

Definition: Electronic mail address.

Datatype: "Max256Text" on page 2162

45.1.14.13.9 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.14.13.10 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number as defined by telecom services.

Datatype: "Max35Text" on page 2163

45.1.14.13.11 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "Max35Text" on page 2163

45.1.14.13.12 AdditionalContact <AddtlCtct>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the card acceptor, for instance sales agent name, dispute manager name.

Datatype: "Max256Text" on page 2162

45.1.14.13.13 BusinessRegistrationIdentification <BizRegnId>

Presence: [0..1]

Definition: Contains business registration Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.13.14 BusinessRegistrationIdentificationType <BizRegnIdTp>

Presence: [0..1]

Definition: Contains the type of acceptor's business registration Identification.

Datatype: "Max35Text" on page 2163

45.1.14.13.15 LocalData <LclData>

Presence: [0..1]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData19" on page 1892 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1893
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1893
	BusinessName <BizNm>	[0..1]	Text		1893
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1893
	NameAndLocation <NmAndLctn>	[0..1]	Text		1893
	Address <Adr>	[0..1]	±		1894
	ServiceLocation <SvcLctn>	[0..1]	±		1894
	AdditionalAddress <AddtlAdr>	[0..1]	Text		1894
	AdditionalContact <AddtlCtct>	[0..1]	Text		1895
	PrivateData <PrvtData>	[0..*]	(External Schema)		1895
	NationalData <NtlData>	[0..*]	(External Schema)		1895

45.1.14.13.16 CorporateTaxIdentification <CorpTaxId>

Presence: [0..1]

Definition: Identification of the company recognized by the taxation authority. Used for reporting corporate-related taxes.

Datatype: "Max35Text" on page 2163

45.1.14.13.17 CorporateTaxIdentificationType <CorpTaxIdTp>

Presence: [0..1]

Definition: Indicates the corporate tax identification type.

Datatype: "CorporateTaxType1Code" on page 2114

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

45.1.14.13.18 BusinessType <BizTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.13.19 BusinessTypeProvidedBy <BizTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.13.20 OwnerType <OwnrTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.13.21 OwnerTypeProvidedBy <OwnrTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.13.22 CertificationType <CertfctnTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.13.23 CertificationTypeProvidedBy <CertfctnTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.13.24 OwnerEthnicityType <OwnrEthnctyTp>

Presence: [0..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 2163

45.1.14.13.25 OwnerEthnicityTypeProvidedBy <OwnrEthnctyTpPrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 2163

45.1.14.13.26 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.13.27 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.14 SettlementInstitutionData1

Definition: Identification of a settlement institution.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1955
	BusinessIdentification <BizId>	[0..1]	Text		1955
	Country <Ctry>	[0..1]	CodeSet		1955
	BusinessName <BizNm>	[0..1]	Text		1955
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1955
	Address <Adr>	[0..1]	±		1955
	PrivateData <PrvtData>	[0..*]	(External Schema)		1956
	NationalData <NtlData>	[0..*]	(External Schema)		1956
	LocalData <LclData>	[0..*]	±		1956

45.1.14.14.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the settlement institution.

Datatype: "Max11NumericText" on page 2159

45.1.14.14.2 BusinessIdentification <BizId>

Presence: [0..1]

Definition: Business or client identification for settlement institution.

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.14.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.14.14.4 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the settlement institution.

Datatype: "Max35Text" on page 2163

45.1.14.14.5 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the settlement institution.

Datatype: "Max99Text" on page 2168

45.1.14.14.6 Address <Adr>

Presence: [0..1]

Definition: Address of the settlement institution.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.14.7 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.14.8 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.14.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData20" on page 1897 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1898
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1898
	BusinessName <BizNm>	[0..1]	Text		1898
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1898
	Address <Adr>	[0..1]	±		1898
	PrivateData <PrvtData>	[0..*]	(External Schema)		1899
	NationalData <NtlData>	[0..*]	(External Schema)		1899

45.1.14.15 AcceptorData2

Definition: Information related the acceptor.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1957
	SchemeAssignedIdentification <SchmeAssgndId>	[0..1]	Text		1958
	BusinessName <BizNm>	[0..1]	Text		1958
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1958
	SubmittedAddress <SubmittdAdr>	[0..1]	±		1958
	AppliedAddress <ApldAdr>	[0..1]	±		1958
	BusinessRegistrationIdentification <BizRegnId>	[0..1]	Text		1959
	BusinessRegistrationIdentificationType <BizRegnIdTp>	[0..1]	Text		1959
	LocalData <LclData>	[0..*]	±		1959
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1960
	PartnerIdentification <PrtnrId>	[0..1]	Text		1960
	PrivateData <PrvtData>	[0..*]	(External Schema)		1960
	NationalData <NtlData>	[0..*]	(External Schema)		1960

45.1.14.15.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.15.2 SchemeAssignedIdentification <SchmeAssgndId>

Presence: [0..1]

Definition: Unique identification to the acceptor assigned by the scheme

Datatype: "Max15AlphaNumericText" on page 2159

45.1.14.15.3 BusinessName <BizNm>

Presence: [0..1]

Definition: Business name of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.15.4 LegalCorporateName <LglCorpNm>

Presence: [0..1]

Definition: Legal Corporate Name of the party.

Datatype: "Max99Text" on page 2168

45.1.14.15.5 SubmittedAddress <SubmittdAdr>

Presence: [0..1]

Definition: Submitted address of the acceptor.

SubmittedAddress <SubmittdAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.15.6 AppliedAddress <ApldAdr>

Presence: [0..1]

Definition: Applied or corrected address of the acceptor.

AppliedAddress <ApIdAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.14.15.7 BusinessRegistrationIdentification <BizRegnId>

Presence: [0..1]

Definition: Contains business registration Identification of the acceptor.

Datatype: "Max35Text" on page 2163

45.1.14.15.8 BusinessRegistrationIdentificationType <BizRegnIdTp>

Presence: [0..1]

Definition: Contains the type of acceptor's business registration Identification.

Datatype: "Max35Text" on page 2163

45.1.14.15.9 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData18" on page 1899 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1900
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1900
	BusinessName <BizNm>	[0..1]	Text		1900
	LegalCorporateName <LglCorpNm>	[0..1]	Text		1900
	Address <Adr>	[0..1]	±		1900
	PrivateData <PrvtData>	[0..*]	(External Schema)		1901
	NationalData <NtlData>	[0..*]	(External Schema)		1901

45.1.14.15.10 AdditionalTransactionReferenceNumber <AddtlTxRefNb>

Presence: [0..1]

Definition: Contains a code that facilitates card acceptor/corporation communication and record keeping.

Datatype: "Max70Text" on page 2167

45.1.14.15.11 PartnerIdentification <PrtnrId>

Presence: [0..1]

Definition: Identifies a specific partnership agreement, generally between specific acceptors and issuers.

Datatype: "Max35Text" on page 2163

45.1.14.15.12 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.14.15.13 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.15 Person Identification

45.1.15.1 Credentials3

Definition: Contains credential information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1961
	OtherType <OthrTp>	[0..1]	Text		1961
	SubType <SubTp>	[0..1]	Text		1961
	Value <Val>	[1..1]	Text		1962
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1962
	Assigner <Assgnr>	[0..1]			1962
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.15.1.1 Type <Tp>

Presence: [1..1]

Definition: The type of credential.

Datatype: "ExternalAuthenticationMethod1Code" on page 2117

45.1.15.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of credential.

Datatype: "Max35Text" on page 2163

45.1.15.1.3 SubType <SubTp>

Presence: [0..1]

Definition: Sub type of credential.

Datatype: "Max35Text" on page 2163

45.1.15.1.4 Value <Val>

Presence: [1..1]

Definition: Value of identification.

Datatype: "Max70Text" on page 2167

45.1.15.1.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the identification.

Datatype: "ISOYearMonth" on page 2169

45.1.15.1.6 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity that assigns and manages this type of identification.

Assigner <Assgnr> contains the following **Authority1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.15.1.6.1 Country <Ctry>

Presence: [0..1]

Definition: Country code of the authority.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.15.1.6.2 CountrySubDivisionMajor <CtrySubDvsnMjr>

Presence: [0..1]

Definition: Code that identifies a major subdivision of a country, for instance state, province.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.15.1.6.3 CountrySubDivisionMinor <CtrySubDvsnMnr>

Presence: [0..1]

Definition: Code that identifies a minor subdivision of a country, for instance county, prefecture.

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.15.1.6.4 CountrySubDivisionMajorName <CtrySubDvsnMjrNm>

Presence: [0..1]

Definition: Name of a major subdivision of a country, for instance county, prefecture.

Datatype: "Max50Text" on page 2166

45.1.15.1.6.5 CountrySubDivisionMinorName <CtrySubDvsnMnrNm>

Presence: [0..1]

Definition: Name of a minor subdivision of a country, for instance county, prefecture.

Datatype: "Max50Text" on page 2166

45.1.15.1.6.6 Name <Nm>

Presence: [0..1]

Definition: City name

Datatype: "Max50Text" on page 2166

45.1.15.2 PINData1

Definition: Attributes of a cardholder PIN.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1963
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1963
	DerivedInformation <DrvdInf>	[0..1]	Text		1964
	Algorithm <Algo>	[0..1]	Text		1964
	KeyLength <KeyLngth>	[0..1]	Text		1964
	KeyProtection <KeyPrtn>	[0..1]	Text		1964
	KeyIndex <KeyIndx>	[0..1]	Text		1964
	PINBlockFormat <PINBlckFrmt>	[1..1]	Text		1965
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1965

45.1.15.2.1 Control <Ctrl>

Presence: [0..1]

Definition: Identifies the key management scheme and associated control field format.

ISO 13492

Binary, length of 1

Datatype: "Exact1HexBinaryText" on page 2155

45.1.15.2.2 KeySetIdentifier <KeySetIdr>

Presence: [0..1]

Definition: key-set identifier is a number that uniquely identifies a group of related keys that are all different but have certain characteristics in common.

ISO 13492

lengths of 6 or 8

Datatype: "Max8NumericText" on page 2168

45.1.15.2.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Contains Derived Info or Device ID and Transaction Counter.

ISO 13492

Binary, lengths of 5, 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 2162

45.1.15.2.4 Algorithm <Algo>

Presence: [0..1]

Definition: Used to select the encryption algorithm to encipher the keys contained in the associated key management data element.

ISO 13492

Datatype: "Max2NumericText" on page 2162

45.1.15.2.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 2165

45.1.15.2.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 2162

45.1.15.2.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key set when multiple keys with the same key set identifier are used (for example, key rotation).

ISO 13492

Length of 2 or 5

Datatype: "Max5NumericText" on page 2166

45.1.15.2.8 PINBlockFormat <PINBlckFrmt>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Datatype: "Max2NumericText" on page 2162

45.1.15.2.9 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Binary, length of 8 or 16

Datatype: "Max16HexBinaryText" on page 2160

45.1.15.3 Customer4

Definition: Information related to a consumer or a company.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1965
	ReferenceNumber <RefNb>	[0..1]	Text		1965
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1966
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1966
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1966
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1966
	VIPIndicator <VIPInd>	[0..1]	Indicator		1966
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1966

45.1.15.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of customer.

Datatype: "CustomerType2Code" on page 2115

CodeName	Name	Definition
CSMR	Consumer	Consumer
CPNY	Company	Company

45.1.15.3.2 ReferenceNumber <RefNb>

Presence: [0..1]

Definition: Reference number provided by a cardholder or customer to card acceptor to facilitate communication and record keeping. The value may be a reference number, code, or generic number.

Datatype: "Max35Text" on page 2163

45.1.15.3.3 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..*]

Definition: Identification of the customer recognized by the taxation authority.

Datatype: "Max70Text" on page 2167

45.1.15.3.4 AuthorisedContactCompany <AuthrsdCtctCpny>

Presence: [0..1]

Definition: Contact at the company.

Datatype: "Max70Text" on page 2167

45.1.15.3.5 AuthorisedContactName <AuthrsdCtctNm>

Presence: [0..1]

Definition: Corporate individual or company (cardholder or their company) to be contacted for authorised purchases.

Datatype: "Max70Text" on page 2167

45.1.15.3.6 AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>

Presence: [0..1]

Definition: Phone number of an individual or

company contacted for company authorised purchases.

Datatype: "PhoneNumber" on page 2169

45.1.15.3.7 VIPIndicator <VIPInd>

Presence: [0..1]

Definition: Very Important Person indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.15.3.8 CustomerRelationship <CstmrRltsh>

Presence: [0..1]

Definition: Customer relationship identifier.

Datatype: "Max35Text" on page 2163

45.1.15.4 Cardholder23

Definition: Detailed information about the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1967
	GivenName <GvnNm>	[0..1]	Text		1967
	LastName <LastNm>	[0..1]	Text		1967
	MiddleName <MddlNm>	[0..1]	Text		1967
	Designation <Dsgnt>	[0..1]	Text		1968
	Identification <Id>	[0..*]	±		1968
	BillingAddress <BllgAdr>	[0..1]	±		1968
	CompressedAddress <CmprssdAdr>	[0..1]	Text		1969
	ShippingAddress <ShppgAdr>	[0..*]	±		1969
	ContactInformation <CtctInf>	[0..1]	±		1970
	DateOfBirth <DtOfBirth>	[0..1]	Date		1971
	HighValue <HghVal>	[0..1]	Indicator		1971
	AliasName <AliasNm>	[0..1]	Text		1971
	Occupation <Ocptr>	[0..1]	Text		1971
	PrivateData <PrvtData>	[0..*]	(External Schema)		1971
	NationalData <NtlData>	[0..*]	(External Schema)		1971
	LocalData <LclData>	[0..1]	±		1972

45.1.15.4.1 Name <Nm>

Presence: [0..1]

Definition: Name of the cardholder, which is usually the full name.

Datatype: "Max105Text" on page 2157

45.1.15.4.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.4.3 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.4.4 MiddleName <MddlNm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.15.4.5 Designation <Dsgnt>

Presence: [0..1]

Definition: Identifies the specific cardholder when multiple cardholders are associated with the same account.

Datatype: "Max2NumericText" on page 2162

45.1.15.4.6 Identification <Id>

Presence: [0..*]

Definition: Identification of the cardholder.

Identification <Id> contains the following elements (see "Credentials3" on page 1961 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1961
	OtherType <OthrTp>	[0..1]	Text		1961
	SubType <SubTp>	[0..1]	Text		1961
	Value <Val>	[1..1]	Text		1962
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1962
	Assigner <Assgnr>	[0..1]			1962
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.15.4.7 BillingAddress <BllgAdr>

Presence: [0..1]

Definition: Complete billing address of the cardholder.

BillingAddress <BllgAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.15.4.8 CompressedAddress <CmprsdAdr>

Presence: [0..1]

Definition: Compressed billing address of the cardholder

Datatype: "Max35Text" on page 2163

45.1.15.4.9 ShippingAddress <ShppgAdr>

Presence: [0..*]

Definition: Complete shipping address of the cardholder.

ShippingAddress <ShppgAdr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.15.4.10 ContactInformation <CtctInf>

Presence: [0..1]

Definition: Contact information of the cardholder.

ContactInformation <CtctInf> contains the following elements (see "ContactPersonal2" on page 1980 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.15.4.11 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the party.

Datatype: "ISODate" on page 2151

45.1.15.4.12 HighValue <HghVal>

Presence: [0..1]

Definition: Identifies a cardholder that is a highly valued individual (e.g., Very Important Person).

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.15.4.13 AliasName <AliasNm>

Presence: [0..1]

Definition: Alias name of the payer.

Datatype: "Max70Text" on page 2167

45.1.15.4.14 Occupation <Ocptn>

Presence: [0..1]

Definition: The occupation of the payer.

Datatype: "Max35Text" on page 2163

45.1.15.4.15 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.15.4.16 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.15.4.17 LocalData <LclData>

Presence: [0..1]

Definition: Contains text fields in the local language.

LocalData <LclData> contains the following elements (see "LocalData24" on page 1882 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1882
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1883
	Name <Nm>	[0..1]	±		1883
	AliasName <AliasNm>	[0..1]	Text		1883
	Occupation <Ocptn>	[0..1]	Text		1883
	Address <Adr>	[0..1]	±		1883
	ShippingAddress <ShppgAdr>	[0..*]	±		1884
	PrivateData <PrvtData>	[0..*]	(External Schema)		1884
	NationalData <NtlData>	[0..*]	(External Schema)		1885

45.1.15.5 DriverInParty4

Definition: Driver in a car rental party

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1973
	GivenName <GvnNm>	[0..1]	Text		1973
	MiddleName <MddINm>	[0..1]	Text		1973
	LastName <LastNm>	[0..1]	Text		1974
	Address <Adr>	[0..1]	±		1974
	Contact <Ctct>	[0..1]	±		1974
	DateOfBirth <DtOfBirth>	[0..1]	Date		1975
	Age <Age>	[0..1]	Text		1975
	DriverCredential <DrvrCrdntl>	[0..*]	±		1975
	LicenseType <LicTp>	[0..1]	Text		1976
	LicenseForm <LicForm>	[0..1]	CodeSet		1976
	LicenceIdentification <LicId>	[0..1]	Text		1976
	LicenseAssigner <LicAssgnr>	[0..1]	CodeSet		1976
	LicenceIssuanceDate <LicIssncDt>	[0..1]	Date		1977
	LicenseExpirationDate <LicXprtnDt>	[0..1]	Date		1977
	LicenseCountry <LicCtry>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>	[0..1]	CodeSet		1977
	LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>	[0..1]	CodeSet		1977
	LicenseOtherAuthority <LicOthrAuthrty>	[0..1]	Text		1977

45.1.15.5.1 Name <Nm>

Presence: [0..1]

Definition: Name of vehicle rental driver.

Datatype: "Max105Text" on page 2157

45.1.15.5.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.5.3 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.15.5.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.5.5 Address <Adr>

Presence: [0..1]

Definition: Address of driver in party.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.15.5.6 Contact <Ctct>

Presence: [0..1]

Definition: Contact details of driver in party.

Contact <Ctct> contains the following elements (see ["ContactPersonal2"](#) on page 1980 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.15.5.7 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: ["ISODate"](#) on page 2151

45.1.15.5.8 Age <Age>

Presence: [0..1]

Definition: Age of driver.

Datatype: ["Max2NumericText"](#) on page 2162

45.1.15.5.9 DriverCredential <DrvrCrdntl>

Presence: [0..*]

Definition: Credential used by the driver for identification.

DriverCredential <DrvrCrdrntl> contains the following elements (see ["TravelDocument3"](#) on page 1683 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1684
	Form <Form>	[0..1]	CodeSet		1684
	Identification <Id>	[1..1]	Text		1685
	Assigner <Assgnr>	[0..1]	Text		1685
	IssuanceDate <IssncDt>	[0..1]	Date		1685
	ExpirationDate <XprtnDt>	[0..1]	Date		1685
	Country <Ctry>	[0..1]	CodeSet		1685

45.1.15.5.10 LicenseType <LicTp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: ["Max70Text"](#) on page 2167

45.1.15.5.11 LicenseForm <LicForm>

Presence: [0..1]

Definition: Form of driving license.

Datatype: ["PresentationMedium2Code"](#) on page 2136

CodeName	Name	Definition
BIOM	Biometric	Biometric medium.
ELEC	Electronic	Presentation is made electronically.
PAPR	Paper	Presentation is made on paper.
BOTH	PaperElectronic	Presentation is made on paper and/or electronically.

45.1.15.5.12 LicenseIdentification <LicId>

Presence: [0..1]

Definition: Identification of the driver license (for example, driver license number).

Datatype: ["Max70Text"](#) on page 2167

45.1.15.5.13 LicenseAssigner <LicAssgnr>

Presence: [0..1]

Definition: Authority assigning an identification to a driver license.

Datatype: ["LegalStructure1Code"](#) on page 2129

CodeName	Name	Definition
STAE	State	Legal structure is a state.

CodeName	Name	Definition
PVIN	Province	Legal structure is a province.
MUNI	Municipal	Legal structure is a municipal.
CNTY	County	Legal structure is a county.
NATI	National	Legal structure is a state.

45.1.15.5.14 LicenseIssuanceDate <LicIssncDt>

Presence: [0..1]

Definition: Date of issuance of the driving license.

Datatype: "ISODate" on page 2151

45.1.15.5.15 LicenseExpirationDate <LicXprtnDt>

Presence: [0..1]

Definition: Expiration date of the driving license (if and when relevant).

Datatype: "ISODate" on page 2151

45.1.15.5.16 LicenseCountry <LicCtry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.15.5.17 LicenseCountrySubDivisionMajor <LicCtrySubDvsnMjr>

Presence: [0..1]

Definition: Country Sub Division major issuing the driver license (if and when relevant).

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.15.5.18 LicenseCountrySubDivisionMinor <LicCtrySubDvsnMnr>

Presence: [0..1]

Definition: Country Sub Division minor issuing the driver license (if and when relevant).

Datatype: "ISOCountrySubDivisionCode" on page 2128

45.1.15.5.19 LicenseOtherAuthority <LicOthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 2160

45.1.15.6 Customer10

Definition: Details of the customer

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1978
	GivenName <GvnNm>	[0..1]	Text		1978
	MiddleName <MddINm>	[0..1]	Text		1978
	LastName <LastNm>	[0..1]	Text		1978
	Identification <Id>	[0..1]	±		1978
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1979
	Age <Age>	[0..1]	Text		1979
	Address <Adr>	[0..1]	±		1979
	Contact <Ctct>	[0..1]	±		1980

45.1.15.6.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max105Text" on page 2157

45.1.15.6.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.6.3 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.15.6.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.6.5 Identification <Id>

Presence: [0..1]

Definition: Details of the party identification.

Identification <Id> contains the following elements (see "Credentials3" on page 1961 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1961
	OtherType <OthrTp>	[0..1]	Text		1961
	SubType <SubTp>	[0..1]	Text		1961
	Value <Val>	[1..1]	Text		1962
	ExpiryDate <XpryDt>	[0..1]	YearMonth		1962
	Assigner <Assgnr>	[0..1]			1962
	Country <Ctry>	[0..1]	CodeSet		1962
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1962
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1962
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1962
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1963
	Name <Nm>	[0..1]	Text		1963

45.1.15.6.6 CustomerFileReferenceNumber <CstmrFileRefNb>

Presence: [0..1]

Definition: Number or code assigned by an airline, company or other party to track or uniquely identify a person, department or project.

Datatype: "Max70Text" on page 2167

45.1.15.6.7 Age <Age>

Presence: [0..1]

Definition: Age of the customer.

Datatype: "Max2NumericText" on page 2162

45.1.15.6.8 Address <Adr>

Presence: [0..1]

Definition: Address details of the customer.

Address <Adr> contains the following elements (see "Address4" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Line1 <Line1>	[0..1]	Text		1389
	Line2 <Line2>	[0..1]	Text		1389
	StreetName <StrtNm>	[0..1]	Text		1390
	BuildingNumber <BldgNb>	[0..1]	Text		1390
	PostalCode <PstlCd>	[0..1]	Text		1390
	TownName <TwnNm>	[0..1]	Text		1390
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	CodeSet		1390
	CountrySubDivisionMajorName <CtrySubDvsnMjrNm>	[0..1]	Text		1390
	CountrySubDivisionMinorName <CtrySubDvsnMnrNm>	[0..1]	Text		1391
	Country <Ctry>	[0..1]	CodeSet		1391
	GeographicLocation <GeogcLctn>	[0..1]	Text		1391

45.1.15.6.9 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "ContactPersonal2" on page 1980 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.15.7 ContactPersonal2

Definition: Details of a contact person.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhone <HomePhne>	[0..1]	Text		1981
	BusinessPhone <BizPhne>	[0..1]	Text		1981
	MobilePhone <MobPhne>	[0..1]	Text		1981
	OtherPhone <OthrPhne>	[0..1]	Text		1981
	PersonalEmail <PrsnlEmail>	[0..1]	Text		1981
	BusinessEmail <BizEmail>	[0..1]	Text		1982
	OtherEmail <OthrEmail>	[0..1]	Text		1982
	HomeFax <HomeFax>	[0..1]	Text		1982
	BusinessFax <BizFax>	[0..1]	Text		1982
	URL <URL>	[0..1]	Text		1982
	Language <Lang>	[0..1]	CodeSet		1982

45.1.15.7.1 HomePhone <HomePhne>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.2 BusinessPhone <BizPhne>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.3 MobilePhone <MobPhne>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.4 OtherPhone <OthrPhne>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.5 PersonalEmail <PrsnlEmail>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 2162

45.1.15.7.6 BusinessEmail <BizEmail>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 2162

45.1.15.7.7 OtherEmail <OthrEmail>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 2162

45.1.15.7.8 HomeFax <HomeFax>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.9 BusinessFax <BizFax>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 2169

45.1.15.7.10 URL <URL>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 2162

45.1.15.7.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 2124

45.1.15.8 ContactBusiness2

Definition: Contact details of a business.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1983
	GivenName <GvnNm>	[0..1]	Text		1983
	MiddleName <MddINm>	[0..1]	Text		1983
	LastName <LastNm>	[0..1]	Text		1983
	Phone <Phne>	[0..1]	Text		1983
	PropertyPhone <PrprtyPhne>	[0..1]	Text		1984
	TollFreePhone <TollFreePhne>	[0..1]	Text		1984
	Email <Email>	[0..1]	Text		1984
	Fax <Fax>	[0..1]	Text		1984
	URL <URL>	[0..1]	Text		1984
	Language <Lang>	[0..1]	CodeSet		1984

45.1.15.8.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max105Text" on page 2157

45.1.15.8.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.8.3 MiddleName <MddINm>

Presence: [0..1]

Definition: Middle name or initials present in the name of a person.

Datatype: "Max35Text" on page 2163

45.1.15.8.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 2163

45.1.15.8.5 Phone <Phne>

Presence: [0..1]

Definition: Main phone number for the contact.

Datatype: "PhoneNumber" on page 2169

45.1.15.8.6 **PropertyPhone <PrprtyPhne>**

Presence: [0..1]
Definition: Property phone number for the contact.
Datatype: "PhoneNumber" on page 2169

45.1.15.8.7 **TollFreePhone <TollFreePhne>**

Presence: [0..1]
Definition: Toll-free phone number for the contact.
Datatype: "PhoneNumber" on page 2169

45.1.15.8.8 **Email <Email>**

Presence: [0..1]
Definition: Email address of contact.
Datatype: "Max256Text" on page 2162

45.1.15.8.9 **Fax <Fax>**

Presence: [0..1]
Definition: Fax phone number.
Datatype: "PhoneNumber" on page 2169

45.1.15.8.10 **URL <URL>**

Presence: [0..1]
Definition: Universal Resource Locator (URL) address.
Datatype: "Max256Text" on page 2162

45.1.15.8.11 **Language <Lang>**

Presence: [0..1]
Definition: Language of the contact.
Datatype: "ISO2ALanguageCode" on page 2124

45.1.16 **POI Component**

45.1.16.1 **Terminal12**

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1985
	PrivateData <PrvtData>	[0..*]	(External Schema)		1985
	NationalData <NtlData>	[0..*]	(External Schema)		1985

45.1.16.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the terminal.

ISO 8583 bit 41

Datatype: "Max16Text" on page 2160

45.1.16.1.2 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.16.1.3 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.16.2 Terminal13

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1987
	Type <Tp>	[0..1]	CodeSet		1987
	SubType <SubTp>	[0..1]	CodeSet		1987
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1987
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1988
	PINLengthCapability <PINLngthCpblty>	[0..1]	Quantity		1988
	PINEntrySecurityCharacteristic <PINNtrySctyChrtc>	[0..1]	CodeSet		1989
	ApprovalCodeLength <ApprvICdLngth>	[0..1]	Quantity		1989
	MaxScriptLength <MxScrptLngth>	[0..1]	Quantity		1989
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1989
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1989
	MessageCapability <MsgCpblty>	[0..*]			1989
	Destination <Dstn>	[1..1]	CodeSet		1990
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1990
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1990
	LineWidth <LineWidth>	[0..1]	Quantity		1990
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	1991
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		1991
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		1991
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		1992
	GeographicLocation <GeogcLctn>	[0..1]	Text		1992
	Outdoor <Outdr>	[0..1]	Indicator		1992
	OffPremises <OffPrmiss>	[0..1]	Indicator		1992
	OnBoard <OnBrd>	[0..1]	Indicator		1993
	SerialNumber <SrlNb>	[0..1]	Text		1993
	Software <Sftwr>	[0..*]			1993
	Type <Tp>	[0..1]	CodeSet		1993
	SubType <SubTp>	[0..1]	Text		1994
	Version <Vrsn>	[0..1]	Text		1994
	CertificationIdentification <CertfctnId>	[0..1]	Text		1994
	Country <Ctry>	[0..1]	CodeSet		1994

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PrivateData <PrvtData>	[0..*]	(External Schema)		1994
	NationalData <NtlData>	[0..*]	(External Schema)		1994

45.1.16.2.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the terminal.

Datatype: "Max16Text" on page 2160

45.1.16.2.2 Type <Tp>

Presence: [0..1]

Definition: Type of terminal. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TerminalType2Code" on page 2144

CodeName	Name	Definition
ATMT	ATM	Automated Teller Machine
MPOS	mPOS	Mobile or tablet used as a Point of Sale terminal
POST	POS	Point of Sale terminal.

45.1.16.2.3 SubType <SubTp>

Presence: [0..1]

Definition: Other type of terminal.

Datatype: "ISO8583AccountEntryDeviceTypeCode" on page 2125

45.1.16.2.4 ReadingCapability <RdngCpbilty>

Presence: [0..*]

Definition: Card reading capability of the terminal performing the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)

CodeName	Name	Definition
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.16.2.5 WritingCapability <WrtgCpblty>

Presence: [0..*]

Definition: Card writing or output capabilities of the terminal performing the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataWriting2Code" on page 2110

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
MSIP	MSIPximity	Magstripe image contactless proximity
UNSP	Unspecified	Unspecified capability.
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability

45.1.16.2.6 PINLengthCapability <PINLnghCpblty>

Presence: [0..1]

Definition: Maximum number of digits that the Point of Interaction is able to accept when the cardholder enters its PIN.

Datatype: "Number" on page 2154

45.1.16.2.7 PINEntrySecurityCharacteristic <PINNtrySctyChrtc>

Presence: [0..1]

Definition: Security characteristic of the PIN Entry device solution.

Datatype: "ISO8583PINEntryCapabilityCode" on page 2127

45.1.16.2.8 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code that the acquirer is able to manage.

Datatype: "Number" on page 2154

45.1.16.2.9 MaxScriptLength <MxScrpLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: "Number" on page 2154

45.1.16.2.10 CardCaptureCapable <CardCaptrCpbl>

Presence: [0..1]

Definition: Indicates whether the terminal can capture cards or not.

True: The terminal is able to capture cards

False: The terminal is not able to capture cards.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.2.11 OnLineCapability <OnLineCpblty>

Presence: [0..1]

Definition: Capability of the terminal to go online.

Datatype: "OnLineCapability2Code" on page 2133

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
BOTH	BothOnLineAndOffLine	Both online and offline

45.1.16.2.12 MessageCapability <MsgCpblty>

Presence: [0..*]

Definition: Capability of the terminal to display or print messages to the cardholder or the merchant.

MessageCapability <MsgCpblty> contains the following **DisplayCapabilities6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[1..1]	CodeSet		1990
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1990
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1990
	LineWidth <LineWidth>	[0..1]	Quantity		1990
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	1991

45.1.16.2.12.1 Destination <Dstn>

Presence: [1..1]

Definition: Destination of the message to present.

Datatype: "UserInterface1Code" on page 2150

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

45.1.16.2.12.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 2133

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

45.1.16.2.12.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 2154

45.1.16.2.12.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 2154

45.1.16.2.12.5 AvailableLanguage <AvlblLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C2 "ValidationByTable"

Datatype: "LanguageCode" on page 2129

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

45.1.16.2.13 CardholderVerificationCapability <CrdhldrVrfctnCpblty>

Presence: [0..*]

Definition: Cardholder verification capabilities performing the transaction at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardholderVerificationCapability6Code" on page 2111

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.
NOVF	NoCapabilities	No cardholder verification capability.
FBIG	OfflineBiographics	Offline biographics.
FBIO	OfflineBiometrics	Offline biometrics.
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FCPN	OfflinePINClear	Offline PIN in clear (Personal Identification Number).
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
NBIO	OnLineBiometrics	Online biometrics.
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
SIGN	Signature	Handwritten signature verification
UNSP	Unspecified	Cardholder verification capability unspecified.
VORN	VoiceRecognition	Recognition by voice.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
NOPN	NoPINEntry	Device has no pin entry capability.
NOOP	NoOnLinePINEntry	Device has no online pin entry capability.
OTHR	Other	Other cardholder verification capabilities.

45.1.16.2.14 TemporarySecureStorage <TempScrStorg>

Presence: [0..1]

Definition: Terminal is capable of temporary secure storage of the card details for reuse upon permission of the card issuer.

Default meaning when not present: false.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.2.15 IntegrationType <IntgtnTp>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: ["TerminalIntegrationCategory1Code"](#) on page 2144

CodeName	Name	Definition
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.

45.1.16.2.16 GeographicLocation <GeogcLctn>

Presence: [0..1]

Definition: Geographic location of the terminal.

Datatype: ["GeographicPointInDecimalDegreesText"](#) on page 2157

45.1.16.2.17 Outdoor <Outdr>

Presence: [0..1]

Definition: Indicates whether the terminal is operated outdoor or indoor at the point of service.

True: The terminal is operated outdoor

False: The terminal is operated indoor

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.2.18 OffPremises <OffPrmiss>

Presence: [0..1]

Definition: Indicates whether the terminal is operated on- or off-premises at the point of service.

True: The terminal is operated off premises.

False: The terminal is operated on premises.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.2.19 OnBoard <OnBrd>

Presence: [0..1]

Definition: Indicates whether the transaction was performed on board.

True: The terminal is located on board.

False: The terminal is not located on board.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.2.20 SerialNumber <SrInb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: ["Max35Text" on page 2163](#)

45.1.16.2.21 Software <Sftwr>

Presence: [0..*]

Definition: Terminal software information.

Software <Sftwr> contains the following **Software2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1993
	SubType <SubTp>	[0..1]	Text		1994
	Version <Vrsn>	[0..1]	Text		1994

45.1.16.2.21.1 Type <Tp>

Presence: [0..1]

Definition: Software type code. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SoftwareType2Code" on page 2142](#)

CodeName	Name	Definition
MFFW	ManufacturerFirmware	Manufacturer Firmware.
MFSW	ManufacturerSoftware	Manufacturer Software.
APSW	ApplicationSoftware	Application Software.

45.1.16.2.21.2 SubType <SubTp>

Presence: [0..1]

Definition: Software Subtype

Datatype: "Max35Text" on page 2163

45.1.16.2.21.3 Version <Vrsn>

Presence: [0..1]

Definition: Software version

Datatype: "Max256Text" on page 2162

45.1.16.2.22 CertificationIdentification <CertfctnId>

Presence: [0..1]

Definition: Terminal certification identification.

Datatype: "Max256Text" on page 2162

45.1.16.2.23 Country <Ctry>

Presence: [0..1]

Definition: Country of the terminal.

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.16.2.24 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.16.2.25 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.16.3 Terminal10

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1996
	Type <Tp>	[0..1]	CodeSet		1996
	SubType <SubTp>	[0..1]	CodeSet		1996
	ReadingCapability <RdngCpblty>	[0..*]	CodeSet		1996
	WritingCapability <WrtgCpblty>	[0..*]	CodeSet		1997
	PINLengthCapability <PINLngthCpblty>	[0..1]	Quantity		1998
	PINEntryCapability <PINNtryCpblty>	[0..1]	CodeSet		1998
	ApprovalCodeLength <ApprvICdLngth>	[0..1]	Quantity		1998
	MaxScriptLength <MxScrptLngth>	[0..1]	Quantity		1998
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1998
	OnLineCapability <OnLineCpblty>	[0..1]	CodeSet		1998
	MessageCapability <MsgCpblty>	[0..*]			1999
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	CodeSet		2000
	TemporarySecureStorage <TempScrStorg>	[0..1]	Indicator		2001
	IntegrationType <IntgtnTp>	[0..1]	CodeSet		2001
	GeographicLocation <GeogcLctn>	[0..1]	Text		2001
	Outdoor <Outdr>	[0..1]	Indicator		2001
	OffPremises <OffPrmiss>	[0..1]	Indicator		2001
	OnBoard <OnBrd>	[0..1]	Indicator		2002
	SerialNumber <SrlNb>	[0..1]	Text		2002
	Software <Sftwr>	[0..*]			2002
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003
	CertificationIdentification <CertfctnId>	[0..1]	Text		2003
	TerminalLineEncryptionCertified <TermnlLineNcrptnCertfd>	[0..1]	Indicator		2003

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCertfd>	[0..1]	Indicator		2003
	EncryptionMethod <NcrptnMtd>	[0..1]	Text		2004
	SingleTap <SnglTap>	[0..1]	Indicator		2004
	Country <Ctry>	[0..1]	CodeSet		2004
	PrivateData <PrvtData>	[0..*]	(External Schema)		2004
	NationalData <NtlData>	[0..*]	(External Schema)		2004

45.1.16.3.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the terminal.

Datatype: "Max16Text" on page 2160

45.1.16.3.2 Type <Tp>

Presence: [0..1]

Definition: Type of terminal. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TerminalType2Code" on page 2144

CodeName	Name	Definition
ATMT	ATM	Automated Teller Machine
MPOS	mPOS	Mobile or tablet used as a Point of Sale terminal
POST	POS	Point of Sale terminal.

45.1.16.3.3 SubType <SubTp>

Presence: [0..1]

Definition: Sub type of acceptance device.

Datatype: "ISO8583AccountEntryDeviceTypeCode" on page 2125

45.1.16.3.4 ReadingCapability <RdngCpbilty>

Presence: [0..*]

Definition: Card reading capability of the terminal performing the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataReading11Code" on page 2108

CodeName	Name	Definition
ICPY	ICCProximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters

CodeName	Name	Definition
MLEY	ManualEntry	Manual, no terminal used.
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPProximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPproximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.1.16.3.5 WritingCapability <WrtgCpblty>

Presence: [0..*]

Definition: Card writing or output capabilities of the terminal performing the transaction. P0P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardDataWriting2Code" on page 2110

CodeName	Name	Definition
ICPY	ICCPproximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
MSIP	MSIPProximity	Magstripe image contactless proximity
UNSP	Unspecified	Unspecified capability.
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability

45.1.16.3.6 PINLengthCapability <PINLnghCpblty>

Presence: [0..1]

Definition: Maximum number of digits that the Point of Interaction is able to accept when the cardholder enters its PIN.

Datatype: "Number" on page 2154

45.1.16.3.7 PINEntryCapability <PINNtryCpblty>

Presence: [0..1]

Definition: Describe the capability of acceptance device to support PINs.

Datatype: "ISO8583PINEntryCapabilityCode" on page 2127

45.1.16.3.8 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code that the acquirer is able to manage.

Datatype: "Number" on page 2154

45.1.16.3.9 MaxScriptLength <MxScrptLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: "Number" on page 2154

45.1.16.3.10 CardCaptureCapable <CardCaptrCpbl>

Presence: [0..1]

Definition: Indicates whether the terminal can capture cards or not.

True: The terminal is able to capture cards

False: The terminal is not able to capture cards.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.11 OnLineCapability <OnLineCpblty>

Presence: [0..1]

Definition: Capability of the terminal to go online.

Datatype: "OnLineCapability2Code" on page 2133

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
BOTH	BothOnLineAndOffLine	Both online and offline

45.1.16.3.12 MessageCapability <MsgCpblty>

Presence: [0..*]

Definition: Capability of the terminal to display or print messages to the cardholder or the merchant.

MessageCapability <MsgCpblty> contains the following **DisplayCapabilities6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[1..1]	CodeSet		1999
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1999
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1999
	LineWidth <LineWidth>	[0..1]	Quantity		2000
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C2	2000

45.1.16.3.12.1 Destination <Dstn>

Presence: [1..1]

Definition: Destination of the message to present.

Datatype: "UserInterface1Code" on page 2150

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

45.1.16.3.12.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 2133

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

45.1.16.3.12.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 2154

45.1.16.3.12.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 2154

45.1.16.3.12.5 AvailableLanguage <AvlblLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C2 "ValidationByTable"

Datatype: "LanguageCode" on page 2129

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

45.1.16.3.13 CardholderVerificationCapability <CrdhldrVrfctnCpblty>

Presence: [0..*]

Definition: Cardholder verification capabilities performing the transaction at the point of service. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "CardholderVerificationCapability6Code" on page 2111

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.
NOVF	NoCapabilities	No cardholder verification capability.
FBIG	OfflineBiographics	Offline biographics.
FBIO	OfflineBiometrics	Offline biometrics.
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FCPN	OfflinePINClear	Offline PIN in clear (Personal Identification Number).
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
NBIO	OnLineBiometrics	Online biometrics.
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
SIGN	Signature	Handwritten signature verification
UNSP	Unspecified	Cardholder verification capability unspecified.
VORN	VoiceRecognition	Recognition by voice.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
NOPN	NoPINEntry	Device has no pin entry capability.
NOOP	NoOnLinePINEntry	Device has no online pin entry capability.

CodeName	Name	Definition
OTHR	Other	Other cardholder verification capabilities.

45.1.16.3.14 TemporarySecureStorage <TempScrStorg>

Presence: [0..1]

Definition: Terminal is capable of temporary secure storage of the card details for reuse upon permission of the card issuer.

Default meaning when not present: false.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.15 IntegrationType <IntgtnTp>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: ["TerminalIntegrationCategory1Code" on page 2144](#)

CodeName	Name	Definition
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.

45.1.16.3.16 GeographicLocation <GeogcLctn>

Presence: [0..1]

Definition: Geographic location of the terminal.

Datatype: ["GeographicPointInDecimalDegreesText" on page 2157](#)

45.1.16.3.17 Outdoor <Outdr>

Presence: [0..1]

Definition: Indicates whether the terminal is operated outdoor or indoor at the point of service.

True: The terminal is operated outdoor

False: The terminal is operated indoor

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.18 OffPremises <OffPrmiss>

Presence: [0..1]

Definition: Indicates whether the terminal is operated on- or off-premises at the point of service.

True: The terminal is operated off premises.

False: The terminal is operated on premises.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.19 OnBoard <OnBrd>

Presence: [0..1]

Definition: Indicates whether the transaction was performed on board.

True: The terminal is located on board.

False: The terminal is not located on board.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.20 SerialNumber <SrlNb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: ["Max35Text"](#) on page 2163

45.1.16.3.21 Software <Sftwr>

Presence: [0..*]

Definition: Terminal software information.

Software <Sftwr> contains the following **Software2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2002
	SubType <SubTp>	[0..1]	Text		2003
	Version <Vrsn>	[0..1]	Text		2003

45.1.16.3.21.1 Type <Tp>

Presence: [0..1]

Definition: Software type code. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: ["SoftwareType2Code"](#) on page 2142

CodeName	Name	Definition
MFFW	ManufacturerFirmware	Manufacturer Firmware.
MFSW	ManufacturerSoftware	Manufacturer Software.
APSW	ApplicationSoftware	Application Software.

45.1.16.3.21.2 SubType <SubTp>

Presence: [0..1]

Definition: Software Subtype

Datatype: "Max35Text" on page 2163

45.1.16.3.21.3 Version <Vrsn>

Presence: [0..1]

Definition: Software version

Datatype: "Max256Text" on page 2162

45.1.16.3.22 CertificationIdentification <CertfctnId>

Presence: [0..1]

Definition: Terminal certification identification.

Datatype: "Max256Text" on page 2162

45.1.16.3.23 TerminalLineEncryptionCertified <TermnlLineNcrptnCertfd>

Presence: [0..1]

Definition: Indicates whether or not the POS terminal from which the transaction occurred is Terminal Line Encryption (TLE)-certified.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.24 UniqueKeyPerTerminalCertified <UnqKeyPerTermnlCertfd>

Presence: [0..1]

Definition: Indicates whether the terminal has encryption certification for unique key per terminal implementations. This includes technologies such as:

- UKPT (Unique Key Per Terminal)
- DUKPT (Derived Unique Key Per Transaction)
- Other key management schemes

`true` - Terminal is certified for unique key per terminal encryption

`false` - Terminal is not certified or uses alternative encryption methods

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.25 EncryptionMethod <NcrptnMtd>

Presence: [0..1]

Definition: Specific encryption method/standard used by the terminal

Datatype: ["Max35Text"](#) on page 2163

45.1.16.3.26 SingleTap <SnglTap>

Presence: [0..1]

Definition: Terminal support single tap processing.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.16.3.27 Country <Ctry>

Presence: [0..1]

Definition: Country of the terminal.

Datatype: ["ISOMax3ACountryCode"](#) on page 2128

45.1.16.3.28 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.16.3.29 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.17 Rate

45.1.17.1 RentalRate3

Definition: Vehicle rental rate

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Period <Prd>	[0..1]	CodeSet		2005
	Rate <Rate>	[0..1]	Amount		2005
	PeriodCount <PrdCnt>	[0..1]	Text		2005

45.1.17.1.1 Period <Prd>

Presence: [0..1]

Definition: Unit of measure used to compute the rental rate. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PeriodUnit5Code" on page 2135

CodeName	Name	Definition
MNTH	Months	Counted in months.
WEEK	Weeks	Counted in weeks.
YEAR	Years	Counted in years.
DAYS	Days	Counted in days.
EXDY	ExtraDays	Extra Days
MINU	Minutes	Period unit expressed in minutes
HFDA	HalfDays	Half days
HOUR	Hours	Period unit expressed in hours.

45.1.17.1.2 Rate <Rate>

Presence: [0..1]

Definition: Rate applied to the vehicle rental for the specified period.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.17.1.3 PeriodCount <PrdCnt>

Presence: [0..1]

Definition: Duration of the period for which the rental rate is calculated.

Datatype: "Max4NumericText" on page 2165

45.1.18 Reconciliation

45.1.18.1 Reconciliation5

Definition: Identification of the reconciliation period between an acquirer and an issuer or their respective agents.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2006
	Date <Dt>	[0..1]	Date		2006
	CheckpointReference <ChckptRef>	[0..1]	Text		2006

45.1.18.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the reconciliation.

Datatype: "Max50Text" on page 2166

45.1.18.1.2 Date <Dt>

Presence: [0..1]

Definition: Date of the reconciliation.

Datatype: "ISODate" on page 2151

45.1.18.1.3 CheckpointReference <ChckptRef>

Presence: [0..1]

Definition: A value used to allow a period within a reconciliation date.

Datatype: "Max35Text" on page 2163

45.1.18.2 MessageReconciliation4

Definition: Contains message reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		2006
	Count <Cnt>	[1..1]	Quantity		2008

45.1.18.2.1 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation message type. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ReconciliationMessageType2Code" on page 2140

CodeName	Name	Definition
BATR	BatchTransferResponse	Batch Transfer Response

CodeName	Name	Definition
CAMI	CardManagementInitiation	Card Management Initiation
CAMR	CardManagementResponse	Card Management Response
CGBI	ChargebackInitiation	Chargeback Initiation
CGBR	ChargebackResponse	Chargeback Response
EROR	Error	Error
FECI	FeeCollectionInitiation	Fee Collection Initiation
FECR	FeeCollectionResponse	Fee Collection Response
FIAI	FileActionInitiation	File Action Initiation
FIAR	FileActionResponse	File Action Response
FINR	FinancialResponse	Financial Response
FINI	FinancialInitiation	Financial Initiation
FRDI	FraudDispositionInitiation	Fraud Disposition Initiation
FRDR	FraudDispositionResponse	Fraud Disposition Response
FRRI	FraudReportingInitiation	Fraud Reporting Initiation
FRRR	FraudReportingResponse	Fraud Reporting Response
INQI	InquiryInitiation	Inquiry Initiation
INQR	InquiryResponse	Inquiry Response
KYEI	KeyExchangeInitiation	Key Exchange Initiation
KYER	KeyExchangeResponse	Key Exchange Response
NWMI	NetworkManagementInitiation	Network Management Initiation.
NWMR	NetworkManagementResponse	Network Management Response
RECI	ReconciliationInitiation	Reconciliation Initiation
RECR	ReconciliationResponse	Reconciliation Response
RTFI	RetrievalFulfilmentInitiation	Retrieval Fulfilment Initiation
RTFR	RetrievalFulfilmentResponse	Retrieval Fulfilment Response
RTRI	RetrievalResponse	Retrieval Response
REVI	ReversalInitiation	Reversal Initiation
REVR	ReversalResponse	Reversal Response
SERI	SettlementReportingInitiation	Settlement Reporting Initiation
SERR	SettlementReportingResponse	Settlement Reporting Response
VERI	VerificationInitiation	Verification Initiation.
VERR	VerificationResponse	Verification Response
AMDT	Amendment	Amendment
ATHI	AuthorisationInitiation	Authorisation Initiation
ATHR	AuthorisationResponse	Authorisation Response

CodeName	Name	Definition
BAMI	BatchManagementInitiation	Batch Management Initiation
BAMR	BatchManagementResponse	Batch Management Response
BATI	BatchTransferInitiation	Batch Transfer Initiation
ADDI	AddendumInitiation	Addendum initiation
ADDR	AddendumResponse	Addendum response
RTVI	RetrievalInitiation	Retrieval Initiation Message

45.1.18.2.2 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

45.1.18.3 FinancialReconciliation4

Definition: Contains financial reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Impact <Impct>	[1..1]	CodeSet		2008
	Type <Tp>	[1..1]	CodeSet		2008
	Amount <Amt>	[1..1]	Amount		2009
	Count <Cnt>	[1..1]	Quantity		2009

45.1.18.3.1 Impact <Impct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 2139

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

45.1.18.3.2 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation category. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ReconciliationCategory2Code" on page 2139

CodeName	Name	Definition
RVSL	Reversal	Reconciliation category is reversal.
FNCL	Financial	Reconciliation category is financial.

CodeName	Name	Definition
CGBK	Chargeback	Reconciliation category is a chargeback.

45.1.18.3.3 Amount <Amt>

Presence: [1..1]

Definition: Cumulative amount of all financial transactions.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.18.3.4 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 2154

45.1.18.4 TransactionTotals15

Definition: Totals of the reconciliation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		2009
	Date <Dt>	[0..1]	Date		2009
	CheckpointReference <ChckptRef>	[0..1]	Text		2009
	Financial <Fin>	[0..*]	±		2010
	Message <Msg>	[0..*]	±		2010
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		2010
	Currency <Ccy>	[1..1]	CodeSet	C1	2010
	Amount <Amt>	[1..1]	Amount		2011
	CreditDebit <CdtDbt>	[0..1]	CodeSet		2011

45.1.18.4.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the reconciliation.

Datatype: "Max35Text" on page 2163

45.1.18.4.2 Date <Dt>

Presence: [0..1]

Definition: Date of the reconciliation.

Datatype: "ISODate" on page 2151

45.1.18.4.3 CheckpointReference <ChckptRef>

Presence: [0..1]

Definition: A value used to allow a period within a reconciliation date.

Datatype: "Max35Text" on page 2163

45.1.18.4.4 Financial <Fin>

Presence: [0..*]

Definition: Total of credit transactions.

Financial <Fin> contains the following elements (see "[FinancialReconciliation4](#)" on page 2008 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Impact <Impct>	[1..1]	CodeSet		2008
	Type <Tp>	[1..1]	CodeSet		2008
	Amount <Amt>	[1..1]	Amount		2009
	Count <Cnt>	[1..1]	Quantity		2009

45.1.18.4.5 Message <Msg>

Presence: [0..*]

Definition: Contains total message count.

Message <Msg> contains the following elements (see "[MessageReconciliation4](#)" on page 2006 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		2006
	Count <Cnt>	[1..1]	Quantity		2008

45.1.18.4.6 AdditionalFeeReconciliation <AddtlFeeRcncldtn>

Presence: [0..*]

Definition: Contains additional fee reconciliation data.

AdditionalFeeReconciliation <AddtlFeeRcncldtn> contains the following elements (see "[AdditionalFeeReconciliation4](#)" on page 1540 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Impact <Impct>	[1..1]	CodeSet		1541
	Type <Tp>	[1..1]	CodeSet		1541
	Amount <Amt>	[1..1]	Amount		1541
	Count <Cnt>	[1..1]	Quantity		1541

45.1.18.4.7 Currency <Ccy>

Presence: [1..1]

Definition: Currency of the transaction.

Impacted by: C1 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 2124

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.1.18.4.8 Amount <Amt>

Presence: [1..1]

Definition: Net amount of reconciliation.

Datatype: "ImpliedCurrencyAndAmount" on page 2096

45.1.18.4.9 CreditDebit <CdtDbt>

Presence: [0..1]

Definition: Sign of the net reconciliation amount.

Datatype: "CreditDebit3Code" on page 2114

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.1.19 Reference Data

45.1.19.1 TransactionIdentification62

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2012
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2013
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2013
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2013
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2013
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2013
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2014
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2014
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2014
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2014
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2014
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2014
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2014
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2014
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2015
	PrivateData <PrvtData>	[0..*]	(External Schema)		2015
	NationalData <NtlData>	[0..*]	(External Schema)		2015

45.1.19.1.1 PurchaseIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PurchaseIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchaseIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number

CodeName	Name	Definition
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.1.19.1.2 PurchaseIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.1.3 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

45.1.19.1.4 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response).

Datatype: "Max12NumericText" on page 2159

45.1.19.1.5 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: Reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

45.1.19.1.6 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 2129

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.1.19.1.7 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

45.1.19.1.8 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.1.9 PresentmentSequenceNumber <PresntmntSeqNb>

Presence: [0..1]

Definition: Number used with trace identifier to uniquely identify where a single authorisation was obtained covering a number of financial presentments. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.1.10 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.1.11 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Code calculated using an algorithm against key transaction data elements that are common to both authorisation and financial messages. This is related transaction lifecycle data.

Datatype: "Max35Text" on page 2163

45.1.19.1.12 AcquirerReferenceData <AcqrrRefData>

Presence: [0..1]

Definition: Data supplied by an acquirer in an authorisation or financial request, advice or notification that may be required to be provided in a subsequent transaction.

Datatype: "Max140Text" on page 2159

45.1.19.1.13 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

Datatype: "Max23NumericText" on page 2162

45.1.19.1.14 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Data supplied by a card issuer in an authorisation response, financial response message or in a chargeback transaction that the acquirer may be required to provide in subsequent transactions.

Datatype: "Max1000Text" on page 2157

45.1.19.1.15 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 2167

45.1.19.1.16 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.1.17 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.2 OriginalDataElements6

Definition: Data elements contained in the original message.

ISO 8583:1987 bit 90 and ISO 8583 1993/2003 bit 56.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		2016
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2016
	AcquirerIdentification <AcqrId>	[0..1]	Text		2017
	SenderIdIdentification <SndrId>	[0..1]	Text		2017
	TransactionType <TxTp>	[0..1]	CodeSet		2017
	TransactionIdentification <TxId>	[0..1]	±		2017
	ConversionDateTime <ConvDtTm>	[0..1]			2018
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019
	TransactionAmounts <TxAmts>	[0..1]	±		2019
	AdditionalFee <AddtlFee>	[0..*]	±		2019
	ResponseCode <RspnCd>	[0..1]	CodeSet		2020
	ApprovalCode <ApprvlCd>	[0..1]	Text		2020
	DeferredSettlementDate <DfrdSttlmDt>	[0..1]	Date		2020

45.1.19.2.1 MessageClass <MsgClss>

Presence: [0..1]

Definition: Message class of the original message.

Datatype: "MessageClass2Code" on page 2131

CodeName	Name	Definition
ADDE	Addendum	Addendum class of messages.
AMDT	Amendment	Amendment class of messages.
AUTH	Authorisation	Authorisation class of messages.
CMGT	CardManagement	Card management class of messages.
CBCK	ChargeBack	Charge back class of messages.
FEEC	FeeCollection	Fee collection class of messages.
FINL	Financial	Financial class of messages.
INVR	InquiryVerification	Inquiry verification class of messages

45.1.19.2.2 MessageFunction <MsgFctn>

Presence: [0..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 2132

CodeName	Name	Definition
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.
NOTI	Notification	Information about the transaction.
CAAD	CaptureAdvice	Advice about the capture of an activity already performed (response expected).
CANO	CaptureNotification	Notification about the capture of an activity already performed (no response expected).
REQU	Request	Message function is a request.

45.1.19.2.3 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Code identifying the acquirer of the original message.

Datatype: "Max11NumericText" on page 2159

45.1.19.2.4 SenderIdentification <SndrId>

Presence: [0..1]

Definition: Code identifying the sender of the original message.

Datatype: "Max11NumericText" on page 2159

45.1.19.2.5 TransactionType <TxTp>

Presence: [0..1]

Definition: Type of transaction associated with the main service.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.2.6 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see
"OriginalTransactionIdentification2" on page 2053 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2054
	LocalTime <LclTm>	[0..1]	Time		2054
	TimeZone <TmZone>	[0..1]	Text		2054
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2055
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2055
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2055
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2055
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2056
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2056
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2056
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2056
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2056
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2056
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2056
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2057
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2057
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2057
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2057

45.1.19.2.7 ConversionDateTime <ConvsDtTm>

Presence: [0..1]

Definition: Date and Time of currency conversion.

ConversionDateTime <ConvsDtTm> contains the following **DateTime2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[1..1]	Date		2018
	Time <Tm>	[0..1]	Time		2019

45.1.19.2.7.1 Date <Dt>

Presence: [1..1]

Definition: Date of currency conversion.

Datatype: "ISODate" on page 2151

45.1.19.2.7.2 Time <Tm>

Presence: [0..1]

Definition: Time of currency conversion

Datatype: "ISOTime" on page 2169

45.1.19.2.8 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[OriginalTransactionAmounts4](#)" on page 1402 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		1402
	Amount <Amt>	[1..1]	Amount		1403
	Currency <Ccy>	[0..1]	CodeSet	C1	1403
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	Amount		1403
	CardholderBillingCurrency <CrdhldrBllgCcy>	[0..1]	CodeSet	C1	1403
	CardholderBillingEffectiveExchangeRate <CrdhldrBllgFctvXchgRate>	[0..1]	Rate		1404
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1404
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1404
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1404

45.1.19.2.9 AdditionalFee <AddtlFee>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFee <AddtlFee> contains the following elements (see "AdditionalFee4" on page 1699 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1700
	Program <Prgm>	[0..1]	Text		1700
	Descriptor <Dscrpt>	[0..1]	Text		1700
	Rate <Rate>	[0..1]	Rate		1700
	RateFix <RateFix>	[0..1]	Amount		1700
	CreditDebit <CdtDbt>	[0..1]	CodeSet		1701
	Amount <Amt>	[1..1]	Amount		1701
	Currency <Ccy>	[0..1]	CodeSet	C1	1701
	ReconciliationAmount <RcncltnAmt>	[0..1]	Amount		1701
	ReconciliationCurrency <RcncltnCcy>	[0..1]	CodeSet	C1	1701
	ReconciliationEffectiveExchangeRate <RcncltnFctvXchgRate>	[0..1]	Rate		1702
	Assigner <Assgnr>	[0..1]	CodeSet		1702
	Description <Desc>	[0..1]	Text		1702

45.1.19.2.10 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Detailed results of the processing, conforming to ISO 8583 Response codes list. This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583ResponseCode" on page 2127

45.1.19.2.11 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the entity when the transaction is approved.

Datatype: "Exact6AlphaNumericText" on page 2156

45.1.19.2.12 DeferredSettlementDate <DfrdSttlmDt>

Presence: [0..1]

Definition: Deferred settlement date of the original transaction.

Datatype: "ISODate" on page 2151

45.1.19.3 TransactionCharacteristics6

Definition: Contains transaction details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2021
	TransactionSubType <TxSubTp>	[0..1]	Text		2021
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2021
	Cancellation <Cxl>	[0..1]	Indicator		2022
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2022
	MessageReason <MsgRsn>	[0..*]	CodeSet		2022
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2022
	TransactionDescription <TxDesc>	[0..1]	Text		2023
	PrivateData <PrvtData>	[0..*]	(External Schema)		2023
	NationalData <NtlData>	[0..*]	(External Schema)		2023
	LocalData <LclData>	[0..*]	±		2023

45.1.19.3.1 TransactionType <TxTp>

Presence: [0..1]

Definition: Code that indicates the type of transaction being undertaken in accordance with ISO 8583, Transaction Type.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Further breakdown of the transaction type being performed.

Datatype: "Max35Text" on page 2163

45.1.19.3.3 TransactionAttribute <TxAttr>

Presence: [0..*]

Definition: Attribute of the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TransactionAttribute3Code" on page 2144

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.
DBRC	DebtRecovery	Debt Recovery.
DBRP	DebtRepayment	Payment is a debt repayment one.

CodeName	Name	Definition
DFRD	DeferredPayment	Payment is a deferred one.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
FRCP	FirstRecurring	First occurrence of a recurring payment.
INST	Instalment	Payment is an instalment one.
PAUT	PreAuthorisation	Preauthorisation for an amount which is unknown at the time when the transaction is initiated and to be cleared within a specified timeframe.
PACP	PreAuthorisationCompletion	Financial completion of a pre-authorised transaction within a specified timeframe.
PPYT	PrePayment	Payment in advance of receiving goods or services.
RCPT	RecurringPayment	An occurrence of a recurring payment..
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
UCOF	UnscheduledCardOnFile	Unscheduled Card On File.

45.1.19.3.4 Cancellation <Cxl>

Presence: [0..1]

Definition: Indicates the previous message is cancelled.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.3.5 SubsequentTransactionType <SbsqntTxTp>

Presence: [0..1]

Definition: Indicates the type of transaction that will follow an approved InquiryVerificationResponse.

Datatype: ["ISO8583TransactionTypeCode" on page 2128](#)

45.1.19.3.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: ["ISO8583MessageReasonCode" on page 2126](#)

45.1.19.3.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: ["Max256Text" on page 2162](#)

45.1.19.3.8 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: ["Max1000Text" on page 2157](#)

45.1.19.3.9 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.3.10 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.3.11 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see ["LocalData22" on page 1886](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1886
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1886
	TransactionDescription <TxDesc>	[1..1]	Text		1886
	PrivateData <PrvtData>	[0..*]	(External Schema)		1886
	NationalData <NtlData>	[0..*]	(External Schema)		1886

45.1.19.4 TransactionIdentification60

Definition: Identification of the transaction for network management.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2024
	LocalTime <LclTm>	[0..1]	Time		2024
	TimeZone <TmZone>	[0..1]	Text		2025
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2025
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2025
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2025
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2026
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2026
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2026
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2026
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2026
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2026
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2026
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2027
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2027
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2027
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2027
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2027
	PrivateData <PrvtData>	[0..*]	(External Schema)		2027
	NationalData <NtlData>	[0..*]	(External Schema)		2027

45.1.19.4.1 LocalDate <LclDt>

Presence: [0..1]

Definition: Local date the transaction takes place at the card acceptor location.

Datatype: "ISODate" on page 2151

45.1.19.4.2 LocalTime <LclTm>

Presence: [0..1]

Definition: Local time the transaction takes place at the card acceptor location.

Datatype: "ISOTime" on page 2169

45.1.19.4.3 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name (for example, as defined by IANA - Internet Assigned Numbers Authority - in the time zone database).

Datatype: "Max70Text" on page 2167

45.1.19.4.4 PurchasIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message.

Datatype: "PurchasIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchasIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.1.19.4.5 PurchasIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.4.6 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

45.1.19.4.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response).

Datatype: "Max12NumericText" on page 2159

45.1.19.4.8 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: Reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

45.1.19.4.9 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 2129

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.1.19.4.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

45.1.19.4.11 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.4.12 PresentmentSequenceNumber <PresntmntSeqNb>

Presence: [0..1]

Definition: Number used with trace identifier to uniquely identify where a single authorisation was obtained covering a number of financial presentments. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.4.13 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.4.14 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Code calculated using an algorithm against key transaction data elements that are common to both authorisation and financial messages. This is related transaction lifecycle data.

Datatype: "Max35Text" on page 2163

45.1.19.4.15 LifeCycleIdentificationMissing <LifeCyclIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 2167

45.1.19.4.16 AcquirerReferenceData <AcqrrRefData>

Presence: [0..1]

Definition: Data supplied by an acquirer in an authorisation or financial request, advice or notification that may be required to be provided in a subsequent transaction.

Datatype: "Max140Text" on page 2159

45.1.19.4.17 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

Datatype: "Max23NumericText" on page 2162

45.1.19.4.18 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Data supplied by a card issuer in an authorisation response, financial response message or in a chargeback transaction that the acquirer may be required to provide in subsequent transactions.

Datatype: "Max1000Text" on page 2157

45.1.19.4.19 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.4.20 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.5 TransactionIdentification59

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[1..1]	Date		2029
	LocalTime <LclTm>	[0..1]	Time		2029
	TimeZone <TmZone>	[0..1]	Text		2029
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2029
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2030
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2030
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2030
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2030
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2030
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2030
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2030
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2031
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2031
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2031
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2031
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2031
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2031
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2031
	AssociatedData <AssocdData>	[0..1]	Indicator		2031
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2032
	AssociatedDataDestination <AssocdDataDstr>	[0..1]	Text		2032
	PrivateData <PrvtData>	[0..*]	(External Schema)		2032
	NationalData <NtlData>	[0..*]	(External Schema)		2032

45.1.19.5.1 LocalDate <LcIDt>

Presence: [1..1]

Definition: Local date the transaction takes place at the card acceptor location.

Datatype: "ISODate" on page 2151

45.1.19.5.2 LocalTime <LcITm>

Presence: [0..1]

Definition: Local time the transaction takes place at the card acceptor location.

Datatype: "ISOTime" on page 2169

45.1.19.5.3 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name (for example, as defined by IANA - Internet Assigned Numbers Authority - in the time zone database).

Datatype: "Max70Text" on page 2167

45.1.19.5.4 PurchasIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PurchasIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchasIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.1.19.5.5 PurchaseIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.5.6 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

45.1.19.5.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response).

Datatype: "Max12NumericText" on page 2159

45.1.19.5.8 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: Reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

45.1.19.5.9 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 2129

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.1.19.5.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

45.1.19.5.11 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.5.12 PresentmentSequenceNumber <PresntmntSeqNb>

Presence: [0..1]

Definition: Number used with trace identifier to uniquely identify where a single authorisation was obtained covering a number of financial presentments. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.5.13 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.5.14 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Code calculated using an algorithm against key transaction data elements that are common to both authorisation and financial messages. This is related transaction lifecycle data.

Datatype: "Max35Text" on page 2163

45.1.19.5.15 LifeCycleIdIdentificationMissing <LifeCyclIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 2167

45.1.19.5.16 AcquirerReferenceData <AcqrrRefData>

Presence: [0..1]

Definition: Data supplied by an acquirer in an authorisation or financial request, advice or notification that may be required to be provided in a subsequent transaction.

Datatype: "Max140Text" on page 2159

45.1.19.5.17 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

Datatype: "Max23NumericText" on page 2162

45.1.19.5.18 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Data supplied by a card issuer in an authorisation response, financial response message or in a chargeback transaction that the acquirer may be required to provide in subsequent transactions.

Datatype: "Max1000Text" on page 2157

45.1.19.5.19 AssociatedData <AssoctdData>

Presence: [0..1]

Definition: Indicates that additional data will be provided in a separate addendum message.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.5.20 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: ["Max70Text"](#) on page 2167

45.1.19.5.21 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: ["Max35Text"](#) on page 2163

45.1.19.5.22 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.5.23 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.6 FeeCollectionReference3

Definition: Contains fee collection reference details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		2033
	Identification <Id>	[1..1]	Text		2033

45.1.19.6.1 AssignerEntity <AssgnrNtty>

Presence: [0..1]

Definition: Name of the entity assigning the fee collection reference.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.19.6.2 Identification <Id>

Presence: [1..1]

Definition: Identification of the fee collection.

Datatype: "Max70Text" on page 2167

45.1.19.7 TransactionIdentification61

Definition: Identification of the transaction for network management.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2034
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2035
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		2035
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2035
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2035
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2035
	AssociatedData <AssoctdData>	[0..1]	Indicator		2035
	AssociatedDataReference <AssoctdDataRef>	[0..1]	Text		2036
	AssociatedDataDestination <AssoctdDataDstn>	[0..1]	Text		2036
	PrivateData <PrvtData>	[0..*]	(External Schema)		2036
	NationalData <NtlData>	[0..*]	(External Schema)		2036

45.1.19.7.1 PurchaseIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PurchaseIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchaseIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number

CodeName	Name	Definition
TREF	TransactionReference	Transaction Reference Number

45.1.19.7.2 PurchaseIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.7.3 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

ISO 8583 bit 7

Datatype: "ISODateTime" on page 2152

45.1.19.7.4 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response)

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 2159

45.1.19.7.5 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: A reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

ISO 8583 bit 37

Datatype: "Exact12Text" on page 2155

45.1.19.7.6 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Exact15Text" on page 2155

45.1.19.7.7 AssociatedData <AssoctdData>

Presence: [0..1]

Definition: Indicates that additional data will be provided in a separate addendum message.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.7.8 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 2167

45.1.19.7.9 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 2163

45.1.19.7.10 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.7.11 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.8 TransactionIdentification58

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2037
	LocalTime <LclTm>	[0..1]	Time		2037
	TimeZone <TmZone>	[0..1]	Text		2038
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2038
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2038
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2038
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		2039
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2039
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2039
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2039
	AssociatedTransactionLifeCycleIdentification <AssocdTxLifeCyclId>	[0..1]	Text		2039
	LifeCycleIdentificationValidation <LifeCyclIdVldtn>	[0..1]	Text		2039
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2039
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2040
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2040
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2040
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2040
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2040
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2040
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2040
	AssociatedData <AssocdData>	[0..1]	Indicator		2041
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		2041
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		2041
	PrivateData <PrvtData>	[0..*]	(External Schema)		2041
	NationalData <NtlData>	[0..*]	(External Schema)		2041

45.1.19.8.1 LocalDate <LclDt>

Presence: [0..1]

Definition: Local date the transaction takes place at the card acceptor location.

Datatype: "ISODate" on page 2151

45.1.19.8.2 LocalTime <LclTm>

Presence: [0..1]

Definition: Local time the transaction takes place at the card acceptor location.

Datatype: "ISOTime" on page 2169

45.1.19.8.3 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name (for example, as defined by IANA - Internet Assigned Numbers Authority - in the time zone database).

Datatype: "Max70Text" on page 2167

45.1.19.8.4 PurchasIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PurchasIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchasIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.1.19.8.5 PurchasIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.8.6 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

45.1.19.8.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response).

Datatype: "Max12NumericText" on page 2159

45.1.19.8.8 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: Reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

45.1.19.8.9 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 2129

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.1.19.8.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification

Datatype: "Max36Text" on page 2163

45.1.19.8.11 AssociatedTransactionLifeCycleIdentification <AssoctdTxLifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification of the original transaction associated to current transaction.

Datatype: "Max36Text" on page 2163

45.1.19.8.12 LifeCycleIdentificationValidation <LifeCyclIdVldtn>

Presence: [0..1]

Definition: Validation result of Transaction lifecycle identification.

Datatype: "Max37Text" on page 2163

45.1.19.8.13 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.8.14 PresentmentSequenceNumber <PresntmntSeqNb>

Presence: [0..1]

Definition: Number used with trace identifier to uniquely identify where a single authorisation was obtained covering a number of financial presentments. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.8.15 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.8.16 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Code calculated using an algorithm against key transaction data elements that are common to both authorisation and financial messages. This is related transaction lifecycle data.

Datatype: "Max36Text" on page 2163

45.1.19.8.17 LifeCycleIdentificationMissing <LifeCyclIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 2167

45.1.19.8.18 AcquirerReferenceData <AcqrrRefData>

Presence: [0..1]

Definition: Data supplied by an acquirer in an authorisation or financial request, advice or notification that may be required to be provided in a subsequent transaction.

Datatype: "Max140Text" on page 2159

45.1.19.8.19 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

Datatype: "Max23NumericText" on page 2162

45.1.19.8.20 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Data supplied by a card issuer in an authorisation response, financial response message or in a chargeback transaction that the acquirer may be required to provide in subsequent transactions.

Datatype: "Max1000Text" on page 2157

45.1.19.8.21 AssociatedData <AssoctdData>

Presence: [0..1]

Definition: Indicates that additional data will be provided in a separate addendum message.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 2152](#)):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.8.22 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: ["Max70Text" on page 2167](#)

45.1.19.8.23 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: ["Max35Text" on page 2163](#)

45.1.19.8.24 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.8.25 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.9 OriginalTransactionCharacteristics2

Definition: Contains the transaction characteristics of original transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2042
	TransactionSubType <TxSubTp>	[0..1]	Text		2042
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2042
	MessageReason <MsgRsn>	[0..*]	CodeSet		2043
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2043
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2043
	TransactionDescription <TxDesc>	[0..1]	Text		2043
	PrivateData <PrvtData>	[0..*]	(External Schema)		2044
	NationalData <NtlData>	[0..*]	(External Schema)		2044

45.1.19.9.1 TransactionType <TxTp>

Presence: [0..1]

Definition: Code that indicates the type of transaction being undertaken in accordance with ISO 8583, Transaction Type.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.9.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Further breakdown of the transaction type being performed.

Datatype: "Max35Text" on page 2163

45.1.19.9.3 TransactionAttribute <TxAttr>

Presence: [0..*]

Definition: Attribute of the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute3Code" on page 2144

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.
DBRC	DebtRecovery	Debt Recovery.

CodeName	Name	Definition
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
FRCP	FirstRecurring	First occurrence of a recurring payment.
INST	Instalment	Payment is an instalment one.
PAUT	PreAuthorisation	Preauthorisation for an amount which is unknown at the time when the transaction is initiated and to be cleared within a specified timeframe.
PACP	PreAuthorisationCompletion	Financial completion of a pre-authorised transaction within a specified timeframe.
PPYT	PrePayment	Payment in advance of receiving goods or services.
RCPT	RecurringPayment	An occurrence of a recurring payment..
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
UCOF	UnscheduledCardOnFile	Unscheduled Card On File.

45.1.19.9.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

45.1.19.9.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

45.1.19.9.6 PreAuthorisationTimeLimit <PreAuthstnTmLmt>

Presence: [0..1]

Definition: Contains the period (expressed in minutes) within which a merchant is expected to complete the transaction.

Datatype: "Max6NumericText" on page 2167

45.1.19.9.7 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

ISO 8583:87/93 bit 104

ISO 8583:2003 bit 104-71

Datatype: "Max1000Text" on page 2157

45.1.19.9.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.9.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.10 TransactionCharacteristics7

Definition: Contains transaction details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	CodeSet		2045
	TransactionSubType <TxSubTp>	[0..1]	Text		2045
	Cancellation <Cxl>	[0..1]	Indicator		2045
	MessageReason <MsgRsn>	[0..*]	CodeSet		2045
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2046
	FeeCollectionCycle <FeeColltnCycl>	[0..1]	Text		2046
	TransactionDescription <TxDesc>	[0..1]	Text		2046
	PrivateData <PrvtData>	[0..*]	(External Schema)		2046
	NationalData <NtlData>	[0..*]	(External Schema)		2046
	LocalData <LclData>	[0..*]	±		2046

45.1.19.10.1 TransactionType <TxTp>

Presence: [0..1]

Definition: Code that indicates the type of transaction being undertaken in accordance with ISO 8583, Transaction Type.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.10.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Further breakdown of the transaction type being performed.

Datatype: "Max35Text" on page 2163

45.1.19.10.3 Cancellation <Cxl>

Presence: [0..1]

Definition: Indicates the previous message is cancelled.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.10.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

The ISO 8583 maintenance agency (MA) manages this code list.

Datatype: "ISO8583MessageReasonCode" on page 2126

45.1.19.10.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: "Max256Text" on page 2162

45.1.19.10.6 FeeCollectionCycle <FeeColltnCycl>

Presence: [0..1]

Definition: Indicates the Fee Collection cycle.

Datatype: "Exact1NumericText" on page 2156

45.1.19.10.7 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: "Max1000Text" on page 2157

45.1.19.10.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.10.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.10.10 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "LocalData22" on page 1886 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1886
	EncodingFormat <NcodgFrmt>	[0..1]	Text		1886
	TransactionDescription <TxDesc>	[1..1]	Text		1886
	PrivateData <PrvtData>	[0..*]	(External Schema)		1886
	NationalData <NtlData>	[0..*]	(External Schema)		1886

45.1.19.11 TransactionCharacteristics5

Definition: Contains transaction details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	CodeSet		2047
	TransactionSubType <TxSubTp>	[0..1]	Text		2047
	TransactionAttribute <TxAttr>	[0..*]	CodeSet		2048
	Cancellation <Cxl>	[0..1]	Indicator		2048
	Collection <Colltn>	[0..1]	Indicator		2049
	SubsequentTransactionType <SbsqntTxTp>	[0..1]	CodeSet		2049
	MessageReason <MsgRsn>	[0..*]	CodeSet		2049
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		2049
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		2049
	TransactionDescription <TxDesc>	[0..1]	Text		2049
	RoutingTableIdentification <RtgTblld>	[0..1]	Text		2049
	PrivateData <PrvtData>	[0..*]	(External Schema)		2049
	NationalData <NtlData>	[0..*]	(External Schema)		2050
	LocalData <LclData>	[0..*]	±		2050

45.1.19.11.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Code that indicates the type of transaction being undertaken in accordance with ISO 8583, Transaction Type.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.11.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Further breakdown of the transaction type being performed.

Datatype: "Max35Text" on page 2163

45.1.19.11.3 TransactionAttribute <TxAttr>

Presence: [0..*]

Definition: Attribute of the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "TransactionAttribute3Code" on page 2144

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.
DBRC	DebtRecovery	Debt Recovery.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
FRCP	FirstRecurring	First occurrence of a recurring payment.
INST	Instalment	Payment is an instalment one.
PAUT	PreAuthorisation	Preauthorisation for an amount which is unknown at the time when the transaction is initiated and to be cleared within a specified timeframe.
PACP	PreAuthorisationCompletion	Financial completion of a pre-authorised transaction within a specified timeframe.
PPYT	PrePayment	Payment in advance of receiving goods or services.
RCPT	RecurringPayment	An occurrence of a recurring payment..
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
UCOF	UnscheduledCardOnFile	Unscheduled Card On File.

45.1.19.11.4 Cancellation <Cxl>

Presence: [0..1]

Definition: Indicates the previous message is cancelled.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.11.5 Collection <Colltn>

Presence: [0..1]

Definition: Indicates the financial message is the collection only, no clearing and settlement required.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.19.11.6 SubsequentTransactionType <SbsqntTxTp>

Presence: [0..1]

Definition: Indicates the type of transaction that will follow an approved InquiryVerificationResponse or AuthorizationResponse.

Datatype: ["ISO8583TransactionTypeCode"](#) on page 2128

45.1.19.11.7 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason or purpose to send the message.

Datatype: ["ISO8583MessageReasonCode"](#) on page 2126

45.1.19.11.8 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

Definition: Supports message reason codes that are not defined in external code list.

Datatype: ["Max256Text"](#) on page 2162

45.1.19.11.9 PreAuthorisationTimeLimit <PreAuthstnTmLmt>

Presence: [0..1]

Definition: Contains the period (expressed in minutes) within which a merchant is expected to complete the transaction.

Datatype: ["Max6NumericText"](#) on page 2167

45.1.19.11.10 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Transaction data related to programmes and services, content and format based on bilateral agreements.

Datatype: ["Max1000Text"](#) on page 2157

45.1.19.11.11 RoutingTableIdentification <RtgTblld>

Presence: [0..1]

Definition: Indicate which routing table acquirer used to determine the network/program Id.

Datatype: ["Max35Text"](#) on page 2163

45.1.19.11.12 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.11.13 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.19.11.14 LocalData <LclData>

Presence: [0..*]

Definition: Contains local language equivalent(s) of data in the current component.

LocalData <LclData> contains the following elements (see "[LocalData22](#)" on page 1886 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Language <Lang>	[1..1]	CodeSet		1886
	EncodingFormat <NcdgFrmt>	[0..1]	Text		1886
	TransactionDescription <TxDesc>	[1..1]	Text		1886
	PrivateData <PrvtData>	[0..*]	(External Schema)		1886
	NationalData <NtlData>	[0..*]	(External Schema)		1886

45.1.19.12 OriginalDataElements5

Definition: Data elements contained in the original message.

ISO 8583:1987 bit 90 and ISO 8583 1993/2003 bit 56.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		2051
	MessageFunction <MsgFctn>	[0..1]	CodeSet		2051
	AcquirerIdentification <AcqrId>	[0..1]	Text		2052
	SenderIdIdentification <SndrId>	[0..1]	Text		2052
	TransactionType <TxTp>	[0..1]	CodeSet		2052
	TransactionIdentification <TxId>	[0..1]	±		2052
	ResponseCode <RspnCd>	[0..1]	CodeSet		2053

45.1.19.12.1 MessageClass <MsgClss>

Presence: [0..1]

Definition: Message class of the original message.

Datatype: "MessageClass2Code" on page 2131

CodeName	Name	Definition
ADDE	Addendum	Addendum class of messages.
AMDT	Amendment	Amendment class of messages.
AUTH	Authorisation	Authorisation class of messages.
CMGT	CardManagement	Card management class of messages.
CBCK	ChargeBack	Charge back class of messages.
FEEC	FeeCollection	Fee collection class of messages.
FINL	Financial	Financial class of messages.
INVR	InquiryVerification	Inquiry verification class of messages

45.1.19.12.2 MessageFunction <MsgFctn>

Presence: [0..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 2132

CodeName	Name	Definition
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.
NOTI	Notification	Information about the transaction.
CAAD	CaptureAdvice	Advice about the capture of an activity already performed (response expected).
CANO	CaptureNotification	Notification about the capture of an activity already performed (no response expected).
REQU	Request	Message function is a request.

45.1.19.12.3 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Code identifying the acquirer of the original message.

Datatype: "Max11NumericText" on page 2159

45.1.19.12.4 SenderIdentification <SndrId>

Presence: [0..1]

Definition: Code identifying the sender of the original message.

Datatype: "Max11NumericText" on page 2159

45.1.19.12.5 TransactionType <TxTp>

Presence: [0..1]

Definition: Type of transaction associated with the main service.

Datatype: "ISO8583TransactionTypeCode" on page 2128

45.1.19.12.6 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see
"OriginalTransactionIdentification2" on page 2053 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2054
	LocalTime <LclTm>	[0..1]	Time		2054
	TimeZone <TmZone>	[0..1]	Text		2054
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2055
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2055
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2055
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2055
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2056
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2056
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2056
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2056
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2056
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2056
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2056
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2057
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2057
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2057
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2057

45.1.19.12.7 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Detailed results of the processing, conforming to ISO 8583 Response codes list. This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583ResponseCode" on page 2127

45.1.19.13 OriginalTransactionIdentification2

Definition: Identification of the original transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDate <LclDt>	[0..1]	Date		2054
	LocalTime <LclTm>	[0..1]	Time		2054
	TimeZone <TmZone>	[0..1]	Text		2054
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		2055
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		2055
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		2055
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		2055
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		2056
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		2056
	LifeCycleIdentification <LifeCyclId>	[0..1]	Text		2056
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		2056
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		2056
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		2056
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		2056
	LifeCycleIdentificationMissing <LifeCyclIdMssng>	[0..1]	Text		2057
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		2057
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		2057
	IssuerReferenceData <IssrRefData>	[0..1]	Text		2057

45.1.19.13.1 LocalDate <LclDt>

Presence: [0..1]

Definition: Local date the transaction takes place at the card acceptor location.

Datatype: "ISODate" on page 2151

45.1.19.13.2 LocalTime <LclTm>

Presence: [0..1]

Definition: Local time the transaction takes place at the card acceptor location.

Datatype: "ISOTime" on page 2169

45.1.19.13.3 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name (for example, as defined by IANA - Internet Assigned Numbers Authority - in the time zone database).

Datatype: "Max70Text" on page 2167

45.1.19.13.4 PurchaseIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "PurchaseIdentifierType3Code" on page 2137

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchaseIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.1.19.13.5 PurchaseIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 2168

45.1.19.13.6 TransmissionDateTime <TrnsmsnDtTm>

Presence: [0..1]

Definition: Date and time expressed in UTC of the message as sent by the initiator.

Datatype: "ISODateTime" on page 2152

45.1.19.13.7 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Number assigned by a transaction originator to assist in identifying a transaction uniquely. The trace number remains unchanged for all messages within a two-message exchange (for example, request/repeat and response).

Datatype: "Max12NumericText" on page 2159

45.1.19.13.8 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [0..1]

Definition: Reference supplied by the system retaining the original source information and used to assist in locating that information or a copy thereof.

Datatype: "Exact12Text" on page 2155

45.1.19.13.9 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 2129

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.1.19.13.10 LifeCycleIdentification <LifeCyclId>

Presence: [0..1]

Definition: Transaction lifecycle identification.

Datatype: "Exact15Text" on page 2155

45.1.19.13.11 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.13.12 PresentmentSequenceNumber <PresntmntSeqNb>

Presence: [0..1]

Definition: Number used with trace identifier to uniquely identify where a single authorisation was obtained covering a number of financial presentments. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.13.13 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction. This is related transaction lifecycle data.

Datatype: "Exact2NumericText" on page 2156

45.1.19.13.14 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Code calculated using an algorithm against key transaction data elements that are common to both authorisation and financial messages. This is related transaction lifecycle data.

Datatype: "Max35Text" on page 2163

45.1.19.13.15 LifeCycleIdentificationMissing <LifeCyclIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 2167

45.1.19.13.16 AcquirerReferenceData <AcqrrRefData>

Presence: [0..1]

Definition: Data supplied by an acquirer in an authorisation or financial request, advice or notification that may be required to be provided in a subsequent transaction.

Datatype: "Max140Text" on page 2159

45.1.19.13.17 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

Datatype: "Max23NumericText" on page 2162

45.1.19.13.18 IssuerReferenceData <IssrRefData>

Presence: [0..1]

Definition: Data supplied by a card issuer in an authorisation response, financial response message or in a chargeback transaction that the acquirer may be required to provide in subsequent transactions.

Datatype: "Max1000Text" on page 2157

45.1.20 Remittance

45.1.20.1 FundingService4

Definition: Funds related service such as a payment or a transfer related to the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	Text		2058
	Name <Nm>	[0..1]	Text		2058
	Reference <Ref>	[0..1]	Text		2058
	BusinessPurpose <BizPurp>	[0..1]	Text		2058
	Description <Desc>	[0..1]	Text		2058
	FundingSource <FndgSrc>	[0..*]	±		2059
	ClaimCredentials <CImCrntls>	[0..1]	Text		2059
	ClaimAssigner <CImAssgnr>	[0..1]	Text		2059
	ServiceProcessingType <SvcPrcgTp>	[0..1]	Text		2059
	DeferredDateTime <DfrdDtTm>	[0..1]	DateTime		2059

45.1.20.1.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the funding service provider.

Datatype: "Max35Text" on page 2163

45.1.20.1.2 Name <Nm>

Presence: [0..1]

Definition: Name of the funding service (for example, MoneyGram, Western Union, etc.).

Datatype: "Max35Text" on page 2163

45.1.20.1.3 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding service.

Datatype: "Max35Text" on page 2163

45.1.20.1.4 BusinessPurpose <BizPurp>

Presence: [0..1]

Definition: Purpose of the transfer.

Datatype: "Max500Text" on page 2166

45.1.20.1.5 Description <Desc>

Presence: [0..1]

Definition: Free text that can be used between the sender and the receiver to describe the details of the transfer.

Datatype: "Max256Text" on page 2162

45.1.20.1.6 FundingSource <FndgSrc>

Presence: [0..*]

Definition: Source of funding.

FundingSource <FndgSrc> contains the following elements (see "[FundingSource5](#)" on page 2059 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2059
	Reference <Ref>	[0..1]	Text		2060

45.1.20.1.7 ClaimCredentials <ClmCrdtntls>

Presence: [0..1]

Definition: Code presented by the customer to claim funds.

Datatype: "[Max500Text](#)" on page 2166

45.1.20.1.8 ClaimAssigner <ClmAssgnr>

Presence: [0..1]

Definition: Entity issuing the claim credential.

Datatype: "[Max35Text](#)" on page 2163

45.1.20.1.9 ServiceProcessingType <SvcPrcgTp>

Presence: [0..1]

Definition: Contains service processing types.

Datatype: "[Max3Text](#)" on page 2164

45.1.20.1.10 DeferredDateTime <DfrrdDtTm>

Presence: [0..1]

Definition: Contains date and time value indicating scheduled deferred posting for issuer.

Datatype: "[ISODateTime](#)" on page 2152

45.1.20.2 FundingSource5

Definition: Source of funding

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2059
	Reference <Ref>	[0..1]	Text		2060

45.1.20.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of source funding used to perform the transfer of funds. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "FundingSourceType4Code" on page 2121

CodeName	Name	Definition
SVNG	Savings	Savings account.
UVRL	Universal	Universal account.
CASH	Cash	Cash as a source type to perform the transaction.
CRDT	CreditCard	Credit card account.
CDBT	DebitCard	Debit card account.
EPRS	EpurseCard	Electronic purse card account.
DBAC	DebitAccount	Account for debiting funds.
CURR	Current	Current account.
CHQE	Cheque	Cheque
PRPD	PrePaid	Pre-paid account.
LCDT	LineOfCredit	Line of credit account.
LOYT	Loyalty	Loyalty points converted into cash.
CARD	Card	Card.

45.1.20.2.2 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding source.

Datatype: "Max35Text" on page 2163

45.1.21 Risk

45.1.21.1 RiskContext4

Definition: Context of the risk associated with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InputData <InptData>	[0..*]	±		2060
	Assessment <Assmnt>	[0..*]	±		2061

45.1.21.1.1 InputData <InptData>

Presence: [0..*]

Definition: Input data to be considered in a risk assessment.

InputData <InptData> contains the following elements (see "RiskInputData3" on page 2061 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntityType <NttyTp>	[0..1]	CodeSet		2062
	Type <Tp>	[1..1]	Text		2062
	Value <Val>	[1..1]	Text		2062

45.1.21.1.2 Assessment <Assmnt>

Presence: [0..*]

Definition: Indicates the level of risk associated with the transaction.

Assessment <Assmnt> contains the following elements (see "RiskAssessment4" on page 2062 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntityIdentification <NttyId>	[0..1]	Text		2063
	EntityType <NttyTp>	[0..1]	CodeSet		2063
	EntityCountry <NttyCtry>	[0..1]	CodeSet		2064
	Type <Tp>	[0..1]	Text		2064
	HighRiskTransaction <HghRskTx>	[0..1]	Indicator		2064
	Reason <Rsn>	[0..*]	Text		2064
	Result <Rslt>	[0..1]	Text		2064
	Condition <Cond>	[0..1]	(External Schema)		2064
	Recommendation <Rcmmdtn>	[0..*]			2065
	Action <Actn>	[0..1]	CodeSet		2065
	Details <Dtls>	[0..1]	Text		2065
	PrivateData <PrvtData>	[0..*]	(External Schema)		2065
	NationalData <NtlData>	[0..*]	(External Schema)		2066

45.1.21.2 RiskInputData3

Definition: Additional data to be considered for risk assessment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntityType <NttyTp>	[0..1]	CodeSet		2062
	Type <Tp>	[1..1]	Text		2062
	Value <Val>	[1..1]	Text		2062

45.1.21.2.1 EntityType <NttyTp>

Presence: [0..1]

Definition: Type of entity providing data for risk assessment. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.21.2.2 Type <Tp>

Presence: [1..1]

Definition: Identifies the type of risk assessment associated with the input data in the message.

Datatype: "Max35Text" on page 2163

45.1.21.2.3 Value <Val>

Presence: [1..1]

Definition: Value of input data for risk assessment.

Datatype: "Max10KText" on page 2158

45.1.21.3 RiskAssessment4

Definition: Indicates to the card issuer the level of risk associated with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntityIdentification <NttyId>	[0..1]	Text		2063
	EntityType <NttyTp>	[0..1]	CodeSet		2063
	EntityCountry <NttyCtry>	[0..1]	CodeSet		2064
	Type <Tp>	[0..1]	Text		2064
	HighRiskTransaction <HghRskTx>	[0..1]	Indicator		2064
	Reason <Rsn>	[0..*]	Text		2064
	Result <RsIt>	[0..1]	Text		2064
	Condition <Cond>	[0..1]	(External Schema)		2064
	Recommendation <Rcmmndtn>	[0..*]			2065
	Action <Actn>	[0..1]	CodeSet		2065
	Details <DtIs>	[0..1]	Text		2065
	PrivateData <PrvtData>	[0..*]	(External Schema)		2065
	NationalData <NtlData>	[0..*]	(External Schema)		2066

45.1.21.3.1 EntityIdentification <NttyId>

Presence: [0..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 2163

45.1.21.3.2 EntityType <NttyTp>

Presence: [0..1]

Definition: Type of entity who assess the risk for the transaction. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

CodeName	Name	Definition
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.21.3.3 EntityCountry <NttyCtry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 2124

45.1.21.3.4 Type <Tp>

Presence: [0..1]

Definition: Type of risk assessment.

Datatype: "Max35Text" on page 2163

45.1.21.3.5 HighRiskTransaction <HghRskTx>

Presence: [0..1]

Definition: Transaction is identified as high risk.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.21.3.6 Reason <Rsn>

Presence: [0..*]

Definition: Reason for indicating a certain level of risk for the transaction.

Datatype: "Max35Text" on page 2163

45.1.21.3.7 Result <Rslt>

Presence: [0..1]

Definition: Risk assessment result.

Datatype: "Max35Text" on page 2163

45.1.21.3.8 Condition <Cond>

Presence: [0..1]

Definition: Conditions noted for the risk assessment.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.21.3.9 Recommendation <Rcmmdtn>

Presence: [0..*]

Definition: Additional details of recommended action or other recommended action.

Recommendation <Rcmmdtn> contains the following **RecommendationAction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..1]	CodeSet		2065
	Details <Dtls>	[0..1]	Text		2065

45.1.21.3.9.1 Action <Actn>

Presence: [0..1]

Definition: Recommended action based on risk assessment.

Datatype: "RecommendedActionCode1" on page 2138

CodeName	Name	Definition
APPV	Approve	Approve the transaction.
BLCK	BlockCard	Block the card.
CPTR	CaptureCard	Capture the card.
DCLN	Decline	Decline the transaction.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
NDCL	NoReasonForDecline	No reason for declining the transaction.
RFRL	Referral	Referral has to be performed.
STUA	StepUpAuthentication	Further authentication required (e.g. one-time password)

45.1.21.3.9.2 Details <Dtls>

Presence: [0..1]

Definition: Additional details of recommended action or other recommended action.

Datatype: "Max256Text" on page 2162

45.1.21.3.10 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.21.3.11 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.22 Security

45.1.22.1 ContentInformationType41

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			2066
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrtc>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlStnVctr>	[0..1]	Text		2068
	MAC <MAC>	[1..1]	Text		2069

45.1.22.1.1 MACData <MACData>

Presence: [1..1]

Definition: Type of data protection.

MACData <MACData> contains the following **MACData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[1..1]	Text		2067
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		2067
	DerivedInformation <DrvdInf>	[0..1]	Text		2067
	Algorithm <Algo>	[1..1]	Text		2068
	KeyLength <KeyLngth>	[0..1]	Text		2068
	KeyProtection <KeyPrctn>	[0..1]	Text		2068
	KeyIndex <KeyIndx>	[0..1]	Text		2068
	PaddingMethod <PddgMtd>	[0..1]	Text		2068
	InitialisationVector <InitlstrVctr>	[0..1]	Text		2068

45.1.22.1.1.1 Control <Ctrl>

Presence: [1..1]

Definition: Identifies the key management scheme and associated structure of the remainder of the data element.

ISO 13492

Binary, length of 1

Datatype: "Exact1HexBinaryText" on page 2155

45.1.22.1.1.2 KeySetIdentifier <KeySetIdr>

Presence: [1..1]

Definition: key-set identifier is a number that uniquely identifies a group of related keys that are all different but have certain characteristics in common.

ISO 13492

lengths of 6 or 8

Datatype: "Max8NumericText" on page 2168

45.1.22.1.1.3 DerivedInformation <DrvdInf>

Presence: [0..1]

Definition: Random number or counter in order to have a unique key per transaction. for example, UKPT PIN encryption or the transaction counter.

ISO 13492

Binary, lengths of 5, 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 2162

45.1.22.1.1.4 Algorithm <Algo>

Presence: [1..1]

Definition: Selects the encryption algorithm used to encipher the keys contained in the associated key management data element.

ISO 13492

Datatype: "Max2NumericText" on page 2162

45.1.22.1.1.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 2165

45.1.22.1.1.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 2162

45.1.22.1.1.7 KeyIndex <KeyIndx>

Presence: [0..1]

Definition: Identifies a unique key set when multiple keys with the same key set identifier are used. for example, key rotation.

ISO 13492

Length of 2 or 5

Datatype: "Max5NumericText" on page 2166

45.1.22.1.1.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used for MAC.

ISO 13492

Datatype: "Max2NumericText" on page 2162

45.1.22.1.1.9 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector for CBC.

ISO 13492

Binary, lengths of 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 2162

45.1.22.1.2 MAC <MAC>

Presence: [1..1]

Definition: Message Authentication Code data.

Datatype: "Max8HexBinaryText" on page 2167

45.1.23 Settlement Details

45.1.23.1 SettlementService7

Definition: Attributes of a settlement service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProposedType <PropsdTp>	[0..1]	Text		2069
	ProposedIdentification <PropsdId>	[0..1]	Text		2069
	Type <Tp>	[0..1]	Text		2070
	Identification <Id>	[0..1]	Text		2070
	DeferredDate <DfrrdDt>	[0..1]	Date		2070
	Date <Dt>	[0..1]	Date		2070
	Time <Tm>	[0..1]	Time		2070
	Period <Prd>	[0..1]	Text		2070
	CutOffTime <CutOffTm>	[0..1]	DateTime		2070
	ReportingEntityType <RptgNttyTp>	[0..1]	Text		2070
	ReportingEntityIdentification <RptgNttyId>	[0..1]	Text		2071
	PrivateData <PrvtData>	[0..*]	(External Schema)		2071
	NationalData <NtlData>	[0..*]	(External Schema)		2071

45.1.23.1.1 ProposedType <PropsdTp>

Presence: [0..1]

Definition: Proposed type of settlement service.

Datatype: "Max35Text" on page 2163

45.1.23.1.2 ProposedIdentification <PropsdId>

Presence: [0..1]

Definition: Identification of proposed settlement service.

Datatype: "Max35Text" on page 2163

45.1.23.1.3 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service applied

Datatype: "Max35Text" on page 2163

45.1.23.1.4 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service applied.

Datatype: "Max35Text" on page 2163

45.1.23.1.5 DeferredDate <DfrrdDt>

Presence: [0..1]

Definition: Indicate the date the transaction will be settled.

Datatype: "ISODate" on page 2151

45.1.23.1.6 Date <Dt>

Presence: [0..1]

Definition: Actual date of settlement.

Datatype: "ISODate" on page 2151

45.1.23.1.7 Time <Tm>

Presence: [0..1]

Definition: Actual time of settlement.

Datatype: "ISOTime" on page 2169

45.1.23.1.8 Period <Prd>

Presence: [0..1]

Definition: Identifies the settlement period, cycle or group. May contain settlement frequency or the identification of specific settlement period. For example, daily, monthly or settlementperiod123acd.

Datatype: "Max35Text" on page 2163

45.1.23.1.9 CutOffTime <CutOffTm>

Presence: [0..1]

Definition: Identifies the effective end time of the settlement date and/or period.

Datatype: "ISODateTime" on page 2152

45.1.23.1.10 ReportingEntityType <RptgNttyTp>

Presence: [0..1]

Definition: Identifies the type of settlement reporting entity

Datatype: "Max35Text" on page 2163

45.1.23.1.11 ReportingEntityIdentification <RptgNttyld>

Presence: [0..1]

Definition: Identification of the settlement reporting entity.

Datatype: "Max35Text" on page 2163

45.1.23.1.12 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.23.1.13 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24 Status

45.1.24.1 ProcessingResult30

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2072
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2072
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2073
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2073
	ResponseCode <RspnCd>	[1..1]	CodeSet		2073
	ResponseReason <RspnRsn>	[0..1]	Text		2073
	ActionCode <ActnCd>	[0..1]	CodeSet		2073
	ErrorDetail <ErrDtl>	[0..*]	±		2073
	PrivateData <PrvtData>	[0..*]	(External Schema)		2074
	NationalData <NtlData>	[0..*]	(External Schema)		2074

45.1.24.1.1 ResponseSourceIdentification <RspnSrcId>

Presence: [0..1]

Definition: Identification of response source.

Datatype: "Max35Text" on page 2163

45.1.24.1.2 ResponseSourceType <RspnSrcTp>

Presence: [0..1]

Definition: Type of response source.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.

CodeName	Name	Definition
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.24.1.3 ResponseSourceCountry <RspnSrcCtry>

Presence: [0..1]

Definition: Country of the response source

Datatype: ["ISOMax3ACountryCode" on page 2128](#)

45.1.24.1.4 ResponseSourceName <RspnSrcNm>

Presence: [0..1]

Definition: Name of the response source

Datatype: ["Max35Text" on page 2163](#)

45.1.24.1.5 ResponseCode <RspnCd>

Presence: [1..1]

Definition: Response code defined in ISO 8583.

Datatype: ["ISO8583ResponseCode" on page 2127](#)

45.1.24.1.6 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Contains the reason of the response.

Datatype: ["Max35Text" on page 2163](#)

45.1.24.1.7 ActionCode <ActnCd>

Presence: [0..1]

Definition: Action to be performed based on ISO8583 Action Code.

Datatype: ["ISO8583ActionCode" on page 2125](#)

45.1.24.1.8 ErrorDetail <ErrDtl>

Presence: [0..*]

Definition: Error detail information.

ErrorDetail <ErrDtl> contains the following elements (see ["ErrorDetails4" on page 1598](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ErrorCode <ErrCd>	[1..1]	CodeSet		1599
	SeverityCode <svrtyCd>	[0..1]	Text		1599
	Description <Desc>	[0..1]	Text		1599
	DataElementInError <DataElmtInErr>	[0..*]	Text		1599

45.1.24.1.9 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.1.10 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be 'valid' with respect to that definition, that is, 'validate' if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.2 ProcessingResult32

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2074
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2075
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2075
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2075
	ResponseCode <RspnCd>	[0..1]	CodeSet		2075
	ResponseReason <RspnRsn>	[0..1]	Text		2075
	ActionCode <ActnCd>	[0..1]	CodeSet		2076
	PrivateData <PrvtData>	[0..*]	(External Schema)		2076
	NationalData <NtlData>	[0..*]	(External Schema)		2076

45.1.24.2.1 ResponseSourceIdentification <RspnSrcId>

Presence: [0..1]

Definition: Identification of response source.

Datatype: "Max35Text" on page 2163

45.1.24.2.2 ResponseSourceType <RspnSrcTp>

Presence: [0..1]

Definition: Type of response source.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.24.2.3 ResponseSourceCountry <RspnSrcCtry>

Presence: [0..1]

Definition: Country of the response source

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.24.2.4 ResponseSourceName <RspnSrcNm>

Presence: [0..1]

Definition: Name of the response source

Datatype: "Max35Text" on page 2163

45.1.24.2.5 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Response code defined in ISO 8583.

Datatype: "ISO8583ResponseCode" on page 2127

45.1.24.2.6 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Contains the reason of the response.

Datatype: "Max35Text" on page 2163

45.1.24.2.7 ActionCode <ActnCd>

Presence: [0..1]

Definition: Action to be performed based on ISO8583 Action Code.

Datatype: "ISO8583ActionCode" on page 2125

45.1.24.2.8 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.2.9 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.3 ProcessingResult29

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2077
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2077
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2078
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2078
	ResponseCode <RspnCd>	[1..1]	CodeSet		2078
	ResponseReason <RspnRsn>	[0..1]	Text		2078
	ActionCode <ActnCd>	[0..1]	CodeSet		2078
	ApprovalCode <ApprvlCd>	[0..1]	Text		2078
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>	[0..1]	Indicator		2079
	ErrorDetail <ErrDtl>	[0..*]	±		2079
	CardholderReceiptData <CrdhldrRctData>	[0..1]	Text		2079
	CardAcceptorReceiptData <CardAccptrRctData>	[0..1]	Text		2079
	CardholderDisplayData <CrdhldrDispData>	[0..1]	Text		2079
	CardAcceptorDisplayData <CardAccptrDispData>	[0..1]	Text		2079
	CardIssuerTelephoneNumber <CardIssrTelNb>	[0..1]	Text		2080
	PrivateData <PrvtData>	[0..*]	(External Schema)		2080
	NationalData <NtlData>	[0..*]	(External Schema)		2080

45.1.24.3.1 ResponseSourceIdentification <RspnSrcId>

Presence: [0..1]

Definition: Identification of response source.

Datatype: "Max35Text" on page 2163

45.1.24.3.2 ResponseSourceType <RspnSrcTp>

Presence: [0..1]

Definition: Type of response source.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.

CodeName	Name	Definition
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.24.3.3 ResponseSourceCountry <RspnSrcCtry>

Presence: [0..1]

Definition: Country of the response source

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.24.3.4 ResponseSourceName <RspnSrcNm>

Presence: [0..1]

Definition: Name of the response source

Datatype: "Max35Text" on page 2163

45.1.24.3.5 ResponseCode <RspnCd>

Presence: [1..1]

Definition: Detailed results of the processing, conforming to ISO 8583 Response codes list. This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583ResponseCode" on page 2127

45.1.24.3.6 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Contains the reason of the response.

Datatype: "Max4Text" on page 2165

45.1.24.3.7 ActionCode <ActnCd>

Presence: [0..1]

Definition: Action to be performed based on ISO8583 Action Code.

Datatype: "ISO8583ActionCode" on page 2125

45.1.24.3.8 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the entity when the transaction is approved.

Datatype: "Exact6AlphaNumericText" on page 2156

45.1.24.3.9 TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>

Presence: [0..1]

Definition: Issuer permits reuse of temporary secure stored card data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.24.3.10 ErrorDetail <ErrDtl>

Presence: [0..*]

Definition: Error detail information.

ErrorDetail <ErrDtl> contains the following elements (see "ErrorDetails4" on page 1598 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ErrorCode <ErrCd>	[1..1]	CodeSet		1599
	SeverityCode <svrtyCd>	[0..1]	Text		1599
	Description <Desc>	[0..1]	Text		1599
	DataElementInError <DataElmtInErr>	[0..*]	Text		1599

45.1.24.3.11 CardholderReceiptData <CrdhldrRctData>

Presence: [0..1]

Definition: Contains information of the cardholder receipt.

Datatype: "Max99Text" on page 2168

45.1.24.3.12 CardAcceptorReceiptData <CardAccptrRctData>

Presence: [0..1]

Definition: Contains information of the card acceptor receipt.

Datatype: "Max99Text" on page 2168

45.1.24.3.13 CardholderDisplayData <CrdhldrDispData>

Presence: [0..1]

Definition: Contains information displayed to the cardholder.

Datatype: "Max99Text" on page 2168

45.1.24.3.14 CardAcceptorDisplayData <CardAccptrDispData>

Presence: [0..1]

Definition: Contains information displayed to the card acceptor.

Datatype: "Max99Text" on page 2168

45.1.24.3.15 CardIssuerTelephoneNumber <CardIssrTelNb>

Presence: [0..1]

Definition: Contains the card issuer's contact telephone number

Datatype: "PhoneNumber" on page 2169

45.1.24.3.16 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.3.17 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.4 ProcessingResult31

Definition: Outcome of the processing of the authorisation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2081
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2081
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2081
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2081
	ResponseCode <RspnCd>	[0..1]	CodeSet		2081
	ActionCode <ActnCd>	[0..1]	CodeSet		2082
	ApprovalCode <ApprvlCd>	[0..1]	Text		2082
	ResponseReason <RspnRsn>	[0..1]	Text		2082
	PrivateData <PrvtData>	[0..*]	(External Schema)		2082
	NationalData <NtlData>	[0..*]	(External Schema)		2082

45.1.24.4.1 ResponseSourceIdentification <RspnSrcId>

Presence: [0..1]

Definition: Identification of response source.

Datatype: "Max35Text" on page 2163

45.1.24.4.2 ResponseSourceType <RspnSrcTp>

Presence: [0..1]

Definition: Type of response source.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.1.24.4.3 ResponseSourceCountry <RspnSrcCtry>

Presence: [0..1]

Definition: Country of the response source

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.24.4.4 ResponseSourceName <RspnSrcNm>

Presence: [0..1]

Definition: Name of the response source

Datatype: "Max35Text" on page 2163

45.1.24.4.5 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Detailed results of the processing, conforming to ISO 8583 Response codes list. This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583ResponseCode" on page 2127

45.1.24.4.6ActionCode <ActnCd>

Presence: [0..1]

Definition: Action to be performed based on ISO8583 Action Code.

Datatype: "ISO8583ActionCode" on page 2125

45.1.24.4.7ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the entity when the transaction is approved.

Datatype: "Exact6AlphaNumericText" on page 2156

45.1.24.4.8ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Contains the reason of the response.

Datatype: "Max35Text" on page 2163

45.1.24.4.9PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.4.10NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.5ProcessingResult28

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseSourceIdentification <RspnSrcId>	[0..1]	Text		2083
	ResponseSourceType <RspnSrcTp>	[0..1]	CodeSet		2083
	ResponseSourceCountry <RspnSrcCtry>	[0..1]	CodeSet		2084
	ResponseSourceName <RspnSrcNm>	[0..1]	Text		2084
	ResponseCode <RspnCd>	[0..1]	CodeSet		2084
	ApprovalCode <ApprvlCd>	[0..1]	Text		2084
	ResponseReason <RspnRsn>	[0..1]	Text		2084
	TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrted>	[0..1]	Indicator		2084
	ActionCode <ActnCd>	[0..1]	CodeSet		2084
	PrivateData <PrvtData>	[0..*]	(External Schema)		2085
	NationalData <NtlData>	[0..*]	(External Schema)		2085

45.1.24.5.1 ResponseSourceIdentification <RspnSrcId>

Presence: [0..1]

Definition: Identification of response source.

Datatype: "Max35Text" on page 2163

45.1.24.5.2 ResponseSourceType <RspnSrcTp>

Presence: [0..1]

Definition: Type of response source.

Datatype: "ATICAPartyType1Code" on page 2104

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.

CodeName	Name	Definition
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity providing payments services.

45.1.24.5.3 ResponseSourceCountry <RspnSrcCtry>

Presence: [0..1]

Definition: Country of the response source

Datatype: "ISOMax3ACountryCode" on page 2128

45.1.24.5.4 ResponseSourceName <RspnSrcNm>

Presence: [0..1]

Definition: Name of the response source

Datatype: "Max35Text" on page 2163

45.1.24.5.5 ResponseCode <RspnCd>

Presence: [0..1]

Definition: Detailed results of the processing, conforming to ISO 8583 Response codes list. This code list is maintained by the ISO 8583/MA (maintenance agency).

Datatype: "ISO8583ResponseCode" on page 2127

45.1.24.5.6 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the entity when the transaction is approved.

Datatype: "Exact6AlphaNumericText" on page 2156

45.1.24.5.7 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Contains the reason of the response.

Datatype: "Max35Text" on page 2163

45.1.24.5.8 TemporarySecureCardDataReusePermitted <TempScrCardDataReusePrtd>

Presence: [0..1]

Definition: Issuer permits reuse of temporary secure stored card data.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.24.5.9 ActionCode <ActnCd>

Presence: [0..1]

Definition: Action to be performed based on ISO8583 Action Code.

Datatype: "ISO8583ActionCode" on page 2125

45.1.24.5.10 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.24.5.11 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (that is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *valid* with respect to that definition, that is, *validate* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.25 Token

45.1.25.1 Token5

Definition: Unencrypted sensitive data of a token.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2086
	TokenType <TknTp>	[0..1]	Text		2086
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2087
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2087
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2087
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2087
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2087
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		2087
	StorageLocation <StorgLctn>	[0..1]	CodeSet		2087
	ProtectionMethod <PrtcMtd>	[0..1]	CodeSet		2088
	NonPayment <NonPmt>	[0..1]	Indicator		2088
	TokenRequestorName <TknRqstrNm>	[0..1]	Text		2088
	UpdatedChannel <UpdtdChanl>	[0..1]	Text		2088
	Status <Sts>	[0..1]	Text		2089
	TokenActivationDateTime <TknActvtnDtTm>	[0..1]	DateTime		2089
	OriginalToken <OrgnlTkn>	[0..1]			2089
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090
	PrivateData <PrvtData>	[0..*]	(External Schema)		2090
	NationalData <NtlData>	[0..*]	(External Schema)		2090

45.1.25.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Contains the surrogate value of the PAN (such as token) or PAN.

Datatype: "Max19NumericText" on page 2160

45.1.25.1.2 TokenType <TknTp>

Presence: [0..1]

Definition: Contains the type of token.

Datatype: "Max3Text" on page 2164

45.1.25.1.3 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token or the PAN.

Datatype: "ISOYearMonth" on page 2169

45.1.25.1.4 TokenRequestorIdentification <TknRqstrId>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 2159

45.1.25.1.5 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 2159

45.1.25.1.6 TokenAssuranceMethod <TknAssrncMtd>

Presence: [0..1]

Definition: Value that allows a Token Service Provider to indicate the identification and verification performed representing the binding of the payment token to the underlying PAN and cardholder.

Datatype: "Max2NumericText" on page 2162

45.1.25.1.7 TokenReferenceIdentification <TknRefId>

Presence: [0..1]

Definition: A reference to the token.

Datatype: "Max35Text" on page 2163

45.1.25.1.8 TokenInitiatedIndicator <TknInittId>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.25.1.9 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of the token. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "StorageLocation2Code" on page 2142

CodeName	Name	Definition
CAWL	CardAcceptorWallet	Storage is in wallet managed by card acceptor.
DVCE	Device	Stored in device.
ISWL	IssuerWallet	Storage is in wallet managed by Issuer.
ONFL	OnFile	Storage is on file.
TPWL	ThirdPartyWallet	Storage location is in wallet managed by a third party.

45.1.25.1.10 ProtectionMethod <PrtcnMtd>

Presence: [0..1]

Definition: Method used to protect the token. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ProtectionMethod2Code" on page 2137

CodeName	Name	Definition
SELM	SecureElement	Secure element method.
SNCL	SecureEnclave	Secure enclave method.
SOFT	Software	Software protection method.
TEEN	TrustedExecutionEnvironment	Trusted execution environment method.
TPMD	TrustedPlatformModule	Trusted Platform Module (TPM).
VTEE	VirtualTrustedExecutionEnvironment	Virtual trusted execution environment

45.1.25.1.11 NonPayment <NonPmt>

Presence: [0..1]

Definition: True means the token is a non-payment token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 2152):

- *Meaning When True:* True
- *Meaning When False:* False

45.1.25.1.12 TokenRequestorName <TknRqstrNm>

Presence: [0..1]

Definition: Contains the name of the token requestor

Datatype: "Max70Text" on page 2167

45.1.25.1.13 UpdatedChannel <UpdtdChanl>

Presence: [0..1]

Definition: Indicate the channel used to update the token.

Datatype: "Max35Text" on page 2163

45.1.25.1.14 Status <Sts>

Presence: [0..1]

Definition: Contains status of the token.

Datatype: "Max35Text" on page 2163

45.1.25.1.15 TokenActivationDateTime <TknActvtnDtTm>

Presence: [0..1]

Definition: The Date and time when token is activated.

Datatype: "ISODateTime" on page 2152

45.1.25.1.16 OriginalToken <OrgnlTkn>

Presence: [0..1]

Definition: Original token.

OriginalToken <OrgnlTkn> contains the following **Token4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		2089
	TokenExpiryDate <TknXpryDt>	[0..1]	YearMonth		2089
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		2089
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		2090
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		2090
	TokenReferenceIdentification <TknRefld>	[0..1]	Text		2090

45.1.25.1.16.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 2160

45.1.25.1.16.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: "ISOYearMonth" on page 2169

45.1.25.1.16.3 TokenRequestorIdentification <TknRqstrld>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 2159

45.1.25.1.16.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 2159

45.1.25.1.16.5 TokenAssuranceMethod <TknAssrncMtd>

Presence: [0..1]

Definition: Value that allows a Token Service Provider to indicate the identification and verification performed representing the binding of the payment token to the underlying PAN and cardholder.

Datatype: "Max2NumericText" on page 2162

45.1.25.1.16.6 TokenReferenceIdentification <TknRefId>

Presence: [0..1]

Definition: A reference to the token.

Datatype: "Max35Text" on page 2163

45.1.25.1.17 PrivateData <PrvtData>

Presence: [0..*]

Definition: Reserved for private data. The use of this data element is determined by bilateral agreement.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.25.1.18 NationalData <NtlData>

Presence: [0..*]

Definition: Reserved to define data unique to the country applications.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.26 Verification

45.1.26.1 Verification8

Definition: Method and data intended to be verified as well as the related results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2091
	SubType <SubTp>	[0..1]	Text		2091
	Data <Data>	[0..*]			2091
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093
	PINData <PINData>	[0..1]	±		2093
	Entity <Ntty>	[0..1]	CodeSet		2093
	Result <RsIt>	[0..1]	CodeSet		2094
	ResultDetails <RsItDtls>	[0..1]	(External Schema)		2094

45.1.26.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExternalAuthenticationMethod1Code" on page 2117

45.1.26.1.2 SubType <SubTp>

Presence: [0..1]

Definition: Type of authentication for a given method (for example, three domain authentication, scheme proprietary solution, type of cryptogram, etc.).

Datatype: "Max35Text" on page 2163

45.1.26.1.3 Data <Data>

Presence: [0..*]

Definition: Contains verification or authentication data.

Data <Data> contains the following **VerificationValue1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		2092
	TextValue <TxtVal>	[0..1]	Text		2092
	BinaryValue <BinryVal>	[0..1]	Binary		2092
	HexadecimalBinaryValue <HexBinryVal>	[0..1]	Text		2092
	DateTime <DtTm>	[0..1]	DateTime		2092
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		2092
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		2093

45.1.26.1.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the data to be verified, such as billing street.

Datatype: "Max35Text" on page 2163

45.1.26.1.3.2 TextValue <TxtVal>

Presence: [0..1]

Definition: Value of the data expressed in text form.

Datatype: "Max2048Text" on page 2161

45.1.26.1.3.3 BinaryValue <BinryVal>

Presence: [0..1]

Definition: Value of the data expressed in BASE-64 encoded binary form.

Datatype: "Max5000Binary" on page 2098

45.1.26.1.3.4 HexadecimalBinaryValue <HexBinryVal>

Presence: [0..1]

Definition: Value of the data expressed in hexadecimal encoded binary form.

Datatype: "Max9999HexBinaryText" on page 2168

45.1.26.1.3.5 DateTime <DtTm>

Presence: [0..1]

Definition: Date and time when the verification was performed.

Datatype: "ISODateTime" on page 2152

45.1.26.1.3.6 ValidityEndDate <VldtyEndDt>

Presence: [0..1]

Definition: Contains end date of the verification that has been performed.

Datatype: "ISODate" on page 2151

45.1.26.1.3.7 ValidityEndTime <VldtyEndTm>

Presence: [0..1]

Definition: Contains end time of the verification that has been performed.

Datatype: "ISOTime" on page 2169

45.1.26.1.4 PINData <PINData>

Presence: [0..1]

Definition: Personal Identification Number data.

ISO 13492 and ISO 9564-1

PINData <PINData> contains the following elements (see "PINData1" on page 1963 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1963
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1963
	DerivedInformation <DrvdInf>	[0..1]	Text		1964
	Algorithm <Algo>	[0..1]	Text		1964
	KeyLength <KeyLngth>	[0..1]	Text		1964
	KeyProtection <KeyPrtc>	[0..1]	Text		1964
	KeyIndex <KeyIndx>	[0..1]	Text		1964
	PINBlockFormat <PINBlckFrmt>	[1..1]	Text		1965
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1965

45.1.26.1.5 Entity <Ntty>

Presence: [0..1]

Definition: Entity who actually performed the verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "VerificationEntity3Code" on page 2151

CodeName	Name	Definition
MERC	Acceptor	Acceptor (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between (or on behalf of) an acquirer and an issuer.
ISSR	Issuer	Card issuer.
CDAD	AcceptanceDevice	Type of Device to accept payment
ICCA	CardApplication	Application in the smart card.

45.1.26.1.6 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Verification4Code" on page 2151

CodeName	Name	Definition
FAIL	Failed	Verification failed.
FUTA	FurtherAction	Further action required.
MISS	Missing	Information required to perform the verification was missing.
NOSP	NotSupported	Not support the verification type
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

45.1.26.1.7 ResultDetails <RsltDtls>

Presence: [0..1]

Definition: Details of the result.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be ·valid· with respect to that definition, that is, ·validate· if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.26.2 Verification9

Definition: Method and data intended to be verified as well as the related results.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		2095
	SubType <SubTp>	[0..1]	Text		2095
	Entity <Ntty>	[0..1]	CodeSet		2095
	Result <Rslt>	[0..1]	CodeSet		2095
	ResultDetails <RsltDtls>	[0..*]	(External Schema)		2096
	AdditionalInformation <AddtlInf>	[0..1]	Text		2096

45.1.26.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "ExternalAuthenticationMethod1Code" on page 2117

45.1.26.2.2 SubType <SubTp>

Presence: [0..1]

Definition: Type of authentication for a given method (for example, three domain authentication, scheme proprietary solution, type of cryptogram, etc.).

Datatype: "Max35Text" on page 2163

45.1.26.2.3 Entity <Ntty>

Presence: [0..1]

Definition: Entity who actually performed the verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "VerificationEntity3Code" on page 2151

CodeName	Name	Definition
MERC	Acceptor	Acceptor (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between (or on behalf of) an acquirer and an issuer.
ISSR	Issuer	Card issuer.
CDAD	AcceptanceDevice	Type of Device to accept payment
ICCA	CardApplication	Application in the smart card.

45.1.26.2.4 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification. P000-P999 reserved for private use, N000-N999 reserved for national use.

Datatype: "Verification4Code" on page 2151

CodeName	Name	Definition
FAIL	Failed	Verification failed.
FUTA	FurtherAction	Further action required.
MISS	Missing	Information required to perform the verification was missing.
NOSP	NotSupported	Not support the verification type
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.

CodeName	Name	Definition
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

45.1.26.2.5 ResultDetails <RsItDtIs>

Presence: [0..*]

Definition: Details of the result.

Type: (External Schema)

Specifies a data structure that allows to include any valid XML Structure (tha is through an XML Schema). The property namespace is set to 'any'.

The processContents value is 'lax' which means that if the item has a uniquely determined declaration available, it must be *·valid·* with respect to that definition, that is, *·validate·* if you can, don't worry if you can't, that is it MAY be validated or not.

45.1.26.2.6 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the verification.

Datatype: ["Max35Text" on page 2163](#)

45.2 Message Datatypes

45.2.1 Amount

45.2.1.1 ImpliedCurrencyAndAmount

Definition: Number of monetary units specified in a currency where the unit of currency is implied by the context and compliant with ISO 4217. The decimal separator is a dot.

Note: a zero amount is considered a positive amount.

Type: Amount

Format

minInclusive	0
totalDigits	18
fractionDigits	5

45.2.2 Binary

45.2.2.1 Exact20Binary

Definition: Specifies a binary string with a exact length of 20 binary bytes.

Type: Binary

45.2.2.2 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format

minLength	1
maxLength	102400

45.2.2.3 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format

minLength	1
maxLength	140

45.2.2.4 Max16Binary

Definition: Specifies a binary string with a maximum length of 16 binary bytes.

Type: Binary

Format

minLength	1
maxLength	16

45.2.2.5 Max20MbBinary

Definition: Binary data of 20 megabytes (20 Mb) maximum.

Type: Binary

Format

minLength	1
maxLength	20971520

45.2.2.6 Max2MBBinary

Definition: Binary data of 2MB maximum.

Type: Binary

Format

minLength	1
maxLength	2097152

45.2.2.7 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

minLength	1
maxLength	35

45.2.2.8 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	5000

45.2.3 CodeSet

45.2.3.1 ActionTaken2Code

Definition: Type of action taken as a disposition of a reported card payment fraud. P000-P999 reserved for private use, Z000-Z999 reversed for national use

Type: CodeSet

CodeName	Name	Definition
ACCP	Accepted	Reported fraud was accepted
RJCT	Rejected	Reported fraud was rejected.
WARN	Warning	Reported fraud was accepted with warnings.

45.2.3.2 AddendumTaxType4Code

Definition: Specifies the specific type of tax applicable to a transaction.

Type: CodeSet

CodeName	Name	Definition
TOTL	TotalTaxes	Total of all applicable taxes
ALMI	AlternativeMinimumTax	Tax is an alternative minimum tax.
ASNT	Assessment	Assessment
BPTX	BusinessPrivilegeTax	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian Reservation
KAPA	CapitalGainTax	Tax is on a capital gain (realised and unrealised), that is, the profit that is

CodeName	Name	Definition
		gained from the sale of a financial instrument.
NKAP	CapitalLossCredit	Tax recovery is due to capital loss.
CRTX	CityRentalTax	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party.
CSTX	CitySalesTax	Sales tax imposed by a city
CITX	CityTax	Service tax imposed by a city
COAX	ConsumptionTax	Tax that is levied on goods and services purchased by customers, and is added to the retail price.
CPST	CountyParishSalesTax	Service tax imposed by a County or Parish
CORT	CountyRentalTax	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party.
COTX	CountyTax	Service tax levied by a county
CUST	CustomsTax	Tax levied on imports or exports by a country's customs authority.
DLTX	DefaultLabourTax	Default Labour Tax
DUTY	Duty	A tax levied on goods that typically though not exclusively transit across a geographic border.
EMIT	EmergencyAssistanceCityTax	Tax levied by a city to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMUT	EmergencyAssistanceCountyTax	Tax levied by a county to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMET	EmergencyAssistanceExciseTax	Usage tax levied to recover the cost of telephone emergency assistance service (for example, 112, 911, 999).
EMST	EmergencyAssistanceStateTax	Tax levied by a state to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
EMRT	EmergencyAssistanceTax	Tax levied to recover the cost of providing telephone emergency assistance service (for example, 112, 911, 999).
ENTX	EnergyTax	Tax applied to the utility and petroleum industries.
ESET	EnhancedEmergencyAssistanceStateExciseTax	Tax levied by a state to recover the cost of providing enhanced telephone emergency assistance services (for

CodeName	Name	Definition
		example, 112, 911, 999) such as automatic call identification.
ENVT	EnvironmentalTax	Tax levied on activities which are considered to have negative impacts on an environment.
EQUL	Equalisation	Part of an investor's subscription amount that is held by the fund in order to pay incentive / performance fees at the end of the fiscal year.
EQTX	EquipmentTax	Equipment Tax
EUTR	EUTaxRetention	Tax withheld at source in the framework of the European Directive on taxation of savings in the form of interest payments.
EXEC	ExecutingBrokerCommission	Executing broker's commission amount.
FEXT	FederalExciseTax	Excise tax levied by a federal government.
FNST	FederalNationalSalesTax	Federal or National Sales Tax.
FETX	FederalTax	Usage tax levied by federal (US and Canadian) government.
FVAT	FederalValueAddedTax	Federal Value-Added Tax (GST).
FVTS	FederalValueAddedTaxOnServices	Federal Value-Added Tax (GST) on Services
FIMT	FICAMedicareTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of Medicare.
FSST	FICASocialSecurityTax	USA Federal Insurance Contributions Act tax levied to assist in the funding of social security.
FICA	FICATax	USA Federal Insurance Contributions Act tax.
FRTX	FranchiseTax	Tax levied by a municipality, on certain types of businesses for the right to exist as a legal entity and conduct business in a particular jurisdiction.
FSTX	FuelSpillTax	Fuel Spill Tax.
FSFT	FuelSuperFundTax	USA federal tax levied on certain types of businesses to provide funding for cleanup of hazardous waste sites.
FUVT	FullIVAT	Value Added Tax calculated at the full tax rate.
GIFT	GiftTax	Tax that is levied on assets given to individuals prior to the death of the donor. Gift tax is designed to ensure the integrity of the inheritance tax, preventing the pre-death transfer of wealth.
GCAT	GoodsAndServicesTax	Goods and Services Tax - Canadian value-added tax.

CodeName	Name	Definition
GRTX	GrossReceiptsTax	Gross Receipts Tax.
HVAT	HalfVAT	Value Added Tax calculated at the half tax rate.
HATX	HandicapTax	Tax assessed to assist the handicapped.
HSTX	HarmonizedSalesTax	Harmonized Sales Tax (HST).
HWTX	HazardousWasteTax	Tax levied on entities that produce, store, treat, transport or otherwise manage hazardous wastes and materials.
INHT	InheritanceTax	Tax that is payable at the time of death on any items (money or otherwise), where ownership changes either upon death or within a legally specified number of years before death.
INPO	InterimProfitTax	Tax levied on the sum of all earnings/ revenues accrued since the last dividend distribution.
LTTX	LabourByTradeTax	Labour by Trade Tax
FLST	LeakyUndergroundStorageTankTax	Federal tax levied in the USA to fund the clean-up activities associated with leaking underground storage tanks.
LITX	LicenseTax	Tax levied by a government agency for the granting of a license to conduct an activity, such as driving a car, operating a business, selling liquor, hunting, or practicing certain vocations.
LOCO	LocalBrokerCommission	Local broker's commission amount.
LSTX	LocalSalesTax	All applicable sales taxes levied by taxing authorities below the state level. Used only for sales tax.
LOCL	LocalTax	Service tax levied by a local government or taxation agency. Not a sales tax.
LUTX	LuxuryTax	Ad valorem tax levied on products or services that are deemed to be non-essential or unneeded.
MATX	MaterialTax	Material Tax
METX	MetropolitanTransitTax	Metropolitan Transit Tax
MITX	MinimumTax	Minimum Tax
MUTX	MunicipalTax	Service tax imposed by a municipality.
MUDE	MutuallyDefinedTax	Mutually Defined
COUN	NationalFederalTax	Tax is a country, national, or federal tax usually levied by the custodian.
NATI	NationalTax	Tax is a national tax.
OCTX	OccupancyTax	Tax levied for the privilege of occupying space for home or rental for a fixed period of time, as determined by a taxing authority.

CodeName	Name	Definition
OPTX	OccupationalTax	Type of gross receipts tax imposed for the privilege of carrying on a business, trade or profession.
OTHR	Other	Other type of tax not elsewhere classified.
OTTX	OtherTaxes	Other taxes
LEVY	PaymentLevyTax	Tax levied on a payment.
POTX	PostThresholdTax	Post-threshold Tax
PRTX	PreThresholdTax	Pre-threshold tax
PSTX	ProductAndServicesTax	Tax levied on products and services
PPTX	PropertyTax	Ad valorem property tax levied on real or personal property by local government units such as counties, municipalities, school districts, and special taxing districts.
PROV	ProvincialTax	Provincial tax
PHET	PublicHealthAndEducationTax	Canadian tax levied to fund public care and education.
QUST	QuebecSalesTax	Quebec Sales Tax (QST)
ROCI	RoomCity	Room City
RCSB	RoomCountrySubdivision1	Room Country Subdivision1
RCSD	RoomCountrySubdivision2	Room Country Subdivision2
ROTX	RoomTax	Room Tax
RVAT	RoomVAT	Room VAT
ROVI	RoomVisitor	Room Visitor
SAUT	SalesAndUseTax	Tax levied for the use of equipment and service provided
SCTX	SchoolTax	Tax levied by taxing authority for schools
SPTX	SecondaryPercentageTax	Secondary Percentage Tax
STTA	StadiumTax	Stadium Tax
STAM	StampDuty	Tax levied on certain types of documents and transactions.
SLST	StateAndLocalSalesTax	State and Local Sales Tax
SLTX	StateAndLocalTax	State and local tax levies, exclusive of state and local sales tax.
SETX	StateExciseTax	Usage tax imposed by state or provincial government authorities.
STPT	StateOrProvincialTax	Sales tax levied by a State or Province that excludes sales or excise taxes.
SPTS	StateOrProvincialTaxOnServices	State or Provincial tax on services
SPFT	StateProvincialFuelTax	State or Provincial Fuel Tax

CodeName	Name	Definition
SPTG	StateProvincialTaxOnGoods	State or Provincial Tax on Goods
SRTX	StateRentalTax	Tax levied by a state government against a periodic fee paid by a customer in return for the right to use the property of another party.
SSTX	StateSalesTax	State Sales Tax
STAT	StateTax	State tax.
STSL	StateTaxOnSpecificLabour	State Tax on Specific Labour
STEX	StockExchangeTax	Tax levied by a stock exchange.
SUTX	Surtax	Surtax
CTAX	TaxCredit	Direct reduction of an individual's tax liability.
TDDT	TDDServiceExciseTax	Excise tax levied to recover the cost of providing Telecommunications Device for the Deaf (TDD) Equipment.
TELT	TelecommunicationsTax	Tax levied on telecommunications companies for the right to provide services. May be a usage or excise tax.
THTX	ThresholdTax	Threshold Tax
TRAX	TransactionTax	Tax levied on a transaction.
TRAN	TransferTax	Tax levied on a transfer.
UNSP	Unspecified	Unspecified tax type
UUTX	UtilityUsersTax	Tax levied on consumers by a city or county for the use of natural gas.
VATA	ValueAddedTax	Value added tax
VATB	ValueAddedTaxOfZeroRate	Tax for which a zero rate applies.
WTAX	WealthTax	Tax levied only when the value of assets or categories of assets owned by an entity are above a given limit as defined by the tax authority. Wealth tax is not linked to income.
WESV	WellService	Well Service
WITF	WithholdingOfForeignTax	Rate at which the income will be withheld by the jurisdiction in which the income was originally paid, for which relief at source and/or reclaim may be possible.
WITL	WithholdingOfLocalTax	Rate at which the income will be withheld by the jurisdiction in which the account owner is located, for which relief at source and/or reclaim may be possible.
WITH	WithholdingTax	Income tax withheld or deducted from the amount due to the recipient, and paid to the government by the payer rather than the recipient. May apply to salaries, interest, and other types of proceeds.

CodeName	Name	Definition
TNRT	TotalNonRoomTax	Tax levied on non-room expenditures.
DPTX	DepartureTax	Departure Tax

45.2.3.3 AdditionalServiceType3Code

Definition: Type of additional service.

Type: CodeSet

CodeName	Name	Definition
CACT	CardActivation	Card activation
CSHB	CashBack	Purchase of goods or services with cashback
DCCV	DCC	Dynamic Currency Conversion (DCC)
INTP	InstantPayment	Instant payment from a cardholder's account to an acceptor's account
INTT	InstantTransfer	Instant transfer of funds from a payer's account to a payee's account.
LOYT	Loyalty	Loyalty services
PRST	PreStagedTransaction	Withdrawal transaction was pre-authorised by another channel (amount could be absent).
BALC	AccountBalance	Return the account balance with the transaction.
PVVS	PINVerificationService	Verify the PIN data.
REAC	React	Request react service.
SAVS	SmartAccountVerificationService	Smart Account verification service.
STIP	StandInProcessing	Processing the transaction on behalf of the Issuer.
TXID	TransactionIdentificationService	Transaction identification service
CDTL	CredentialStatus	Validate the credential status.
ANIQ	AccountNameInquiryService	Account name inquiry service
ADCA	CardAddedToCardOnFile	Add card to the card on file.

45.2.3.4 ATICAPartyType1Code

Definition: Type of entity acting as a Payment Initiation Service Provider.

Type: CodeSet

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ICCA	CardApplication	Application in the smart card.

CodeName	Name	Definition
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
WLPR	WalletProvider	Provider of an electronic wallet
PASP	PaymentServiceProvider	Entity provding payments services.

45.2.3.5 AttestationValue1Code

Definition: Attestation status value.

Type: CodeSet

CodeName	Name	Definition
CLAI	Claimed	Attestation claimed.
HONO	Honored	Attestation validated.
NCLA	NotClaimed	Attestation not claimed.
NHON	NotHonored	Attestation failed validation.

45.2.3.6 AuthenticationMethod13Code

Definition: Type of authentication method.

Type: CodeSet

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account-based digital signature authentication.
ADVF	AddressDigits	Digits of the address.
ARNB	AlienRegistrationNumber	Number assigned by a government agency to identify foreign nationals.
ARPC	ARPCVerification	Response Card Cryptogram (ARPC) verification.
ARQC	ARQCVerification	Verification of a cryptogram generated by a chip card, for instance an ARQC (Authorisation Request Cryptogram).
ATCC	ATC	Application Transaction Counter
BTHD	BirthDate	Date of birth of a person.

CodeName	Name	Definition
CHSA	CardholderAddress	Verification whether the address corresponds to the cardholder's one.
CHDN	CardholderName	Name of cardholder
CUID	CustomerIdentification	Customer number used as a mechanism of authentication.
DRVI	DriverIdentification	Identification of a driver in a fleet of vehicles.
DRLN	DriverLicenseNumber	Number assigned by a driving license authority to a person driving a car.
EMAL	Email	Electronic mail address
EMIN	EmployeeIdentificationNumber	Number assigned to an employee by an employer.
EMRN	EmployerIdentificationNumber	Number assigned to an employer by a registration authority.
IDCN	IdentityCardNumber	Number assigned by a national authority to an identity card.
MANU	ManualVerification	Manual verification, for example passport or drivers license.
NVSC	NonVisibleCSC	Non visible Card Security Code.
FBIG	OffLineBiographics	Biographics authentication in an offline mode.
FBIO	OffLineBiometrics	Biometrics authentication in an offline mode
OLDA	OffLineDataAuthentication	Authentication of data in an offline mode
OLDS	OffLineDigitisedSignatureAnalysis	Analysis of signature transmitted offline
OFPE	OffLinePINEncrypted	PIN generated offline and transmitted encrypted
FCPN	OffLinePINInClear	PIN generated offline and transmitted in clear
OTPW	OneTimePassword	Verification of a one-time password provided by the issuer.
NBIG	OnLineBiographics	Biographics authentication in an online mode.
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
OCHI	OtherCardholderIdentification	Other cardholder data provided for identification.
PPSG	PaperSignature	Handwritten paper signature.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.
PASN	PassportNumber	Number assigned by a passport authority to a passport.
PSWD	Password	Authentication by a password.

CodeName	Name	Definition
TOKP	PaymentToken	Verification or authentication related to the use of a payment token, for instance the validation of the authorised use of a token.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature
PLOB	PlaceOfBirth	Place of birth of a person.
PCDV	PostalCode	Verification based on digits of the postal code.
SCRT	SecureCertificate	Electronic commerce transaction secured with the X.509 certificate of a customer.
SCNL	SecuredChannel	Channel-encrypted transaction.
CSEC	SecureElectronicCommerce	Authentication performed during a secure electronic commerce transaction.
SHAF	ShippingAddressFrom	Shipping address from verification.
SHAT	ShippingAddressTo	Shipping address to verification
CPSG	SignatureCapture	Electronic signature capture (handwritten signature).
SSNB	SocialSecurityNumber	Number assigned by a social security agency.
TXIN	TaxIdentificationNumber	Number assigned by a tax authority to an entity.
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
CDHI	CardholderIdentificationData	Cardholder data provided for verification, for instance social security number, driver license number, passport number.
TOKN	TokenAuthentication	Cryptogram generated by the token requestor or a customer device to validate the authorised use of a token.
QWAC	QualifiedCertificate	QualifiedCertificate
PHOM	PhoneHome	Customer home phone number.
PWOR	PhoneWork	Customer work phone number
THDS	ThreeDS	Authentication performed during a secure electronic commerce transaction.
ADDB	BillingAddressVerification	Cardholder billing address verification.
ADDS	ShippingAddressVerification	Cardholder shipping address verification.
CSCV	CSCVerification	Verification of Card Security Code.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for instance ARQC (Authorisation Request Cryptogram).
BIOM	Biometry	Biometric authentication of the cardholder.

CodeName	Name	Definition
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NTID	NationalIdentifier	Nationally assigned identifier.
ACSN	AcceptorCertificateSerialNumber	Serial number of the acceptor's certificate.
CHSN	CardholderCertificateSerialNumber	Serial number of the cardholder's certificate.
OTHC	OtherCryptogram	Verification of a cryptogram generated by a non-card form factor.
OTHR	Other	Other customer authentication.

45.2.3.7 BatchManagementType3Code

Definition: Type of batch management activity.

Type: CodeSet

CodeName	Name	Definition
AKRQ	AcknowledgementRequest	Acknowledgement requested by the originator to the destination (used with a notification message exclusively).
AKRP	AcknowledgementResponse	Acknowledgement response by the destination to the originator (used with a notification message exclusively).
ENDB	End	End of a collection or batch by the originator (used with a request message exclusively).
IDNT	IdentificationList	Contains a list of batch or collection identifications.
RERQ	ResendRequest	A request to resend a batch or collection.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

45.2.3.8 CardDataReading11Code

Definition: Card reading capabilities of the terminal performing the transaction.

ISO 8583:93 bit 22-2, ISO 8583:2003 bit 27-1

Type: CodeSet

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
MICR	MagneticInkCharacterRecognition	Recognition of magnetic ink characters
MLEY	ManualEntry	Manual, no terminal used.

CodeName	Name	Definition
OCRR	OpticalCharacterRecognition	OCR either at time of transaction or after the event.
MSIP	MSIPProximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
KEEN	KeyEntered	Key entered.
CDFS	CredentialOnServer	Card information are stored on a server.
CDFL	CardOnFile	Card information are stored on a file.
MGST	MagneticStripe	Magnetic stripe.
NFCF	TypeF	NFC Type-F frequency.
ICCY	ICCContact	ICC contact capability
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.
ICMG	ICCFallbackMagstripe	ICC contact with fallback to magstripe mode
ICFM	ICCFallbackManual	ICC contact with fallback to manual mode
DCPY	ICCPximityPrivate	Domestic ICC Contactless
OTHR	Other	Other card data reading mode.

45.2.3.9 CardDataReading12Code

Definition: Method used to obtain card payment information.

Type: CodeSet

CodeName	Name	Definition
UNKW	Unknown	Unknown card reading capability.
CAMR	Camera	Card details captured via camera.
KEEN	KeyEntered	Key entered.
ICPY	ICCPximity	ICC contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
CDFL	CardOnFile	Card information are stored on a file.
MBNK	MobileBankingApplication	Card details were obtained via a mobile banking application.
TOKN	Token	Card details were obtained via a token.
ICCP	ICCContactPartial	Integrated circuit card read; only partial data is available.

45.2.3.10 CardDataReading5Code

Definition: Type of reading of the card data.

Type: CodeSet

CodeName	Name	Definition
TAGC	Tag	Tag reading capabilities (RFID, etc.).
PHYS	Physical	Keyboard entry or OCR reading of embossing or printed data, either at time of transaction or after the event.
BRCD	BarCode	Bar code.
MGST	MagneticStripe	Magnetic stripe.
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
DFLE	AccountData	Account data on file.
CTLS	ProximityReader	Contactless proximity reader.
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CDFL	CardOnFile	Card information are stored on a file.

45.2.3.11 CardDataWriting2Code

Definition: Card writing capabilities of the terminal performing the transaction.

ISO 8583:93 bit 22-10, ISO 8583:2003 bit 27-8_9

Type: CodeSet

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGSP	MagneticStripePartial	Magnetic stripe is read, only partial data is available.
ICCP	ICCPContactPartial	Integrated circuit card read; only partial data is available.
MSIP	MSIPximity	Magstripe image contactless proximity
UNSP	Unspecified	Unspecified capability.
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCPContact	ICC contact capability

45.2.3.12 CardDepositType2Code

Definition: Contains the type of deposit.

Type: CodeSet

CodeName	Name	Definition
ENVL	Envelope	Envelope
CHEC	Cheque	Cheque
CASH	Cash	Cash

45.2.3.13 CardholderVerificationCapability6Code

Definition: Capability of verifying the cardholder's identity or authenticity.

Type: CodeSet

CodeName	Name	Definition
APKI	AccountDigitalSignature	Account based digital signature.
NOVF	NoCapabilities	No cardholder verification capability.
FBIG	OfflineBiographics	Offline biographics.
FBIO	OfflineBiometrics	Offline biometrics.
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FCPN	OfflinePINClear	Offline PIN in clear (Personal Identification Number).
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
NBIO	OnLineBiometrics	Online biometrics.
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
SIGN	Signature	Handwritten signature verification
UNSP	Unspecified	Cardholder verification capability unspecified.
VORN	VoiceRecognition	Recognition by voice.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
NOPN	NoPINEntry	Device has no pin entry capability.
NOOP	NoOnLinePINEntry	Device has no online pin entry capability.
OTHR	Other	Other cardholder verification capabilities.

45.2.3.14 CardSecurityCapability2Code

Definition: Card security code list.

Type: CodeSet

CodeName	Name	Definition
ICCD	ICC	Card contains an integrated circuit card.
MWOS	MagneticStripeWithoutSecurityCode	Card does not contain a card security code in the magstripe
MSWS	MagneticStripeWithSecurityCode	Card contains a card security code in the magstripe

CodeName	Name	Definition
OLPN	OffLinePIN	Off line PIN card

45.2.3.15 CardServiceType6Code

Definition: Type of reconciliation.

Type: CodeSet

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.

45.2.3.16 CardServiceType7Code

Definition: Type of key exchange.

Type: CodeSet

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
DEKY	DeactivateKey	Deactivate the specified key.
RQKY	RequestKey	Request new key to be generated and conveyed.

45.2.3.17 CarRentalActivity2Code

Definition: Type of car rental activity.

Type: CodeSet

CodeName	Name	Definition
CARS	CarSharing	Company specialised in car sharing activities.
GLBL	Global	Global car rental activities.
INDV	Individual	Individual renting a car.
PETP	PeerToPeer	Peer to peer car rental activities.
OTHR	Other	Other type of car rental activity.

45.2.3.18 CarRentalServiceType3Code

Definition: Car rental service in addition to main car rental.

Type: CodeSet

CodeName	Name	Definition
ADJM	Adjustment	Rental amount adjustment
AUTH	Authorised	Authorised amount
BAST	BabySeat	Baby seat.

CodeName	Name	Definition
CLEA	Cleaning	Extra charges due to the need to clean the car.
DMGS	Damage	Charge for damages
DLVR	Delivery	Charge for delivery of rental vehicle
DPOF	DropOff	Drop off charges
ENTE	Entertainment	Entertainment
EXTC	ExtraCharges	Extra charges
EXDY	ExtraDays	Charges for extra days
EXDI	ExtraDistance	Charges for additional distance
EXHR	ExtraHours	Charges for extra hours
FINE	Fines	Police and related fines or violation fees re invoiced by vehicle rental company.
FUEL	Fuel	Fuel
GARA	Garage	Garage
GPSY	GlobalPositioningSystem	Global Positioning System (GPS)
INSU	Insurance	Insurance
LATE	LateReturn	Car returned late.
LIIN	LiabilityInsurance	Charges for liability insurance
LDIN	LossDamageInsurance	Charges for Loss Damage Insurance
MISC	Miscellaneous	Miscellaneous charges
NAVI	Navigation	Charges for navigation system
NOSH	NoShow	Customer no-show charges.
ONEW	OneWay	Drop-off charges.
PARK	Parking	Parking charges.
PRIN	PersonalAccidentInsurance	Personal Accident Insurance
PFIN	PersonalEffectsInsurance	Personal Effects Insurance
PHON	Phone	On-board telephone service.
REGD	RegularDistance	Charges for regular distance
SMOK	Smoking	Extra charges due to smoking in the car.
TOLL	Tolls	Charges for tolls
TOWI	Towing	Extra charges due to car towing.
EXTR	ExtraMileage	Charges for Extra miles or kilometers.
TRAN	Transportation	Extra charges due to transportation by bus, coach, taxi, limousine, taxi, shuttle, etc.
MILE	Mileage	Miles or kilometers charges.
INTE	Internet	On-board internet.

45.2.3.19 ClearingMethod3Code

Definition: Type of clearing method used for card payment services.

Type: CodeSet

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
RLTM	RealTime	Clearing done in real time.

45.2.3.20 CorporateTaxType1Code

Definition: Indicates the corporate tax identification type.

Type: CodeSet

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

45.2.3.21 CreditDebit3Code

Definition: Specifies if an operation is an increase or a decrease.

Type: CodeSet

CodeName	Name	Definition
CRDT	Credit	Operation is an increase.
DBIT	Debit	Operation is a decrease.

45.2.3.22 CustomerAssigner1Code

Definition: Party assigning an identification to a customer.

Type: CodeSet

CodeName	Name	Definition
AUTH	Authority	Legal authority assigning an identification.
CRCY	Company	Company assigning an identification to a customer.
CUST	Customer	Company for which the customer is on duty.
ONFL	OnFile	On file identification.
OTHR	Other	Other party assigning an identification.
TRAY	TravelAgency	Travel agency assigning an identification.

45.2.3.23 CustomerType2Code

Definition: Type of customer.

Type: CodeSet

CodeName	Name	Definition
CSMR	Consumer	Consumer
CPNY	Company	Company

45.2.3.24 DeviceIdentificationType2Code

Definition: Type of device identification.

Type: CodeSet

CodeName	Name	Definition
IMEI	IMEI	International Mobile Equipment Identity.
SEID	SecureElementIdentification	Secure element ID.
SENU	SerialNumber	Device serial number.

45.2.3.25 EncryptedDataFormat1Code

Definition: Format used for encrypted data.

Type: CodeSet

CodeName	Name	Definition
ASCI	ASCII	ASCII Format.
BINF	Binary	Binary format.
EBCD	EBCDIC	EBCDIC format.
HEXF	HEX	HEX Format.
OTHN	OtherNational	Other format defined at national level.
OTHP	OtherPrivate	Other type of format defined at private level.

45.2.3.26 Endpoint2Code

Definition: Defines the type of endpoint.

Type: CodeSet

CodeName	Name	Definition
DEST	Destination	Destination
ORIG	Origination	Origination

45.2.3.27 ExchangeRateAgreementType2Code

Definition: Type of exchange rate agreement.

Type: CodeSet

CodeName	Name	Definition
FWCT	ForwardContract	Forward contract exchange rate type.
NORM	Normal	Normal exchange rate agreement type.
SPOT	Spot	Spot agreement exchange rate type.

45.2.3.28 ExchangeRateType3Code

Definition: Code used to define the type of the currency exchange.

Type: CodeSet

CodeName	Name	Definition
SELL	Sell	Exchange rate is the Sell rate.
MIDL	Middle	Exchange rate is the Middle rate.
BUYR	Buy	Exchange rate is the Buy rate.
AGRD	Agreed	Exchange rate applied is the rate agreed between the parties.

45.2.3.29 Exemption2Code

Definition: Strong customer authentication exemption.

Type: CodeSet

CodeName	Name	Definition
PKGE	TransportFareOrParkingFeeUnattendedPaymentExemption	Payment is processed in a environment where strong customer authentication is inappropriate.
TMBE	TrustedMerchantBeneficiaryExemption	Cardholder has enrolled the Card Acceptor in the exemption list of strong customer authentication.
RECP	RecurringPayment	Transaction is one of a series of recurring payment.
LOWA	LowAmountExemption	Transaction's amount is low and could be processed without strong customer authentication.
SCPE	SecureCorporatePaymentExemption	Transaction is a secure corporate payment.
TRAE	TransactionRiskAnalysisExemption	According to the transaction risk analysis the strong customer authentication is not mandated.
CTLS	ContactlessExemption	Contactless payment at point of sale exemption.
PAAC	PaymentAccountExemption	Payment account information exemption.
TRSP	TransferSamePersonExemption	Credit transfer between accounts held by the same natural or legal person exemption.

45.2.3.30 ExternalAuthenticationMethod1Code

Definition: Specifies the authentication method used, as published separately in an external authentication method code set.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

45.2.3.31 ExternalCustomerDeviceType1Code

Definition: Specified a type of customer device used for a card payment transaction.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

45.2.3.32 ExternalDeviceOperatingSystemType1Code

Definition: Type of operating system deployed on device, as published separately in an external device operating system type code set.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

45.2.3.33 ExternalMessageFunction1Code

Definition: Code to identify the type of process related to the message, as published separately in a message function external code set.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
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maxLength 4

45.2.3.34 ExternalTransactorType1Code

Definition: Specifies a code to identify the transactor type.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength 1
maxLength 4

45.2.3.35 FileActionScope1Code

Definition: Indicates whether the action applies to a file or a record.

Type: CodeSet

CodeName	Name	Definition
FILE	File	Action applies to a file
RECD	Record	Action applies to a record

45.2.3.36 FileActionType3Code

Definition: Determines the type of file action.

Type: CodeSet

CodeName	Name	Definition
ADDD	Add	Add a new record or file.
BRPT	BulkReplacement	Replacing previously added records.
DELT	Delete	Delete an existing record or file.
DLSP	DeleteRecordSystemPurge	System purge.
ENQR	Enquire	Request the content of an existing record or file.
REPL	Replace	Add a new record or file if none exists or replace an existing record or file if one exists.
REQU	Request	Request for a file or record.
UPDT	Update	Update an existing record or file.

45.2.3.37 FleetPurchaseType1Code

Definition: List of codes representing type of fleet purchases.

Type: CodeSet

CodeName	Name	Definition
FUEL	Fuel	Fuel
NONF	NonFuel	Non fuel
FANF	FuelAndNonFuel	Fuel and non fuel

45.2.3.38 FleetServiceType1Code

Definition: Contains the list of fleet service type codes.

Type: CodeSet

CodeName	Name	Definition
SLSV	SelfService	Self service
HSDI	HighSpeedDispenser	High speed dispenser that may or may not support varying flow rates.
FLSV	FullService	Full service

45.2.3.39 FraudReportingAction2Code

Definition: Fraud reporting action codes.

Type: CodeSet

CodeName	Name	Definition
DUPL	Duplicate	Fraud information already reported.
CLSE	Close	Closing a previously reported fraud.
NEWF	New	New fraud information not reported yet.
REOP	Reopen	Reopen a previously closed reported fraud case
UPDT	Update	Update information about a fraud already reported.

45.2.3.40 FraudType2Code

Definition: Identifies the type of fraud in a card payment environment.

Type: CodeSet

CodeName	Name	Definition
ACTO	AccountTakeover	Fraudulent transaction due to the unauthorised use of a card account by a person with the intent to defraud the issuer of the card.
CWUI	CounterfeitWithUnassignedIIN	Fraudulent transaction where the acquirer confirmed that the IIN (Issuer Identification Number) used was either never issued or is invalid.
CRNT	CardNotReceived	Fraudulent transaction with a card that was not received by the cardholder.
FRAC	FraudulentAccountUse	Fraudulent use of an account.

CodeName	Name	Definition
FRAP	FraudulentApplication	Fraudulent transaction on an account that the cardholder never applied for or the information on the application was falsified.
CWKA	CounterfeitWithExistingAccount	Fraudulent transaction with an altered or duplicated card in a card-present environment where the cardholder did not knowingly participate or the account was not created.
CRDL	LostCard	Fraudulent transaction with a card that has been reported as lost
MISC	Miscellaneous	Fraudulent transaction that cannot be categorised as one of the standard fraud types.
CRDS	StolenCard	Fraudulent transaction with a card that has been reported as stolen.
CNPA	CardNotPresentAccountUse	Fraudulent use in a card-not-present environment of an account.
MUFD	MultipleUseFraud	Merchant makes additional transactions against a card when consumer authorised for one legitimate transaction.
COSN	Collusion	Two parties colluding for the purpose of creating fraudulent transaction. For example, a cardholder and merchant.

45.2.3.41 Frequency12Code

Definition: Specifies the regularity of an event.

Type: CodeSet

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.

45.2.3.42 Frequency17Code

Definition: Specifies the regularity of an event.

Type: CodeSet

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.
ADHO	Adhoc	Event takes place on request or as necessary.
SHFT	Shift	Event associated with a shift.
ODMD	OnDemand	Event takes place on demand.

45.2.3.43 Frequency18Code

Definition: Specifies the regularity of an event.

Type: CodeSet

CodeName	Name	Definition
YEAR	Annual	Event takes place every year or once a year.
DAIL	Daily	Event takes place every day.
FRTN	Fortnightly	Event takes place every two weeks.
MNTH	Monthly	Event takes place every month or once a month.
QURT	Quarterly	Event takes place every three months or four times a year.
MIAN	SemiAnnual	Event takes place every six months or two times a year.
TEND	TenDays	Event takes place every ten business days.
WEEK	Weekly	Event takes place once a week.
TWWK	TwiceAWeek	Two times a week

45.2.3.44 FundingSourceType4Code

Definition: Type of funding source used for a financial service.

Type: CodeSet

CodeName	Name	Definition
SVNG	Savings	Savings account.
UURL	Universal	Universal account.
CASH	Cash	Cash as a source type to perform the transaction.
CRDT	CreditCard	Credit card account.
CDBT	DebitCard	Debit card account.
EPRS	EpurseCard	Electronic purse card account.
DBAC	DebitAccount	Account for debiting funds.
CURR	Current	Current account.
CHQE	Cheque	Cheque
PRPD	PrePaid	Pre-paid account.
LCDT	LineOfCredit	Line of credit account.
LOYT	Loyalty	Loyalty points converted into cash.
CARD	Card	Card.

45.2.3.45 GoodAndServiceDeliveryChannel2Code

Definition: Code that specifies the good or service delivery channel.

Type: CodeSet

CodeName	Name	Definition
EDEL	ElectronicDelivery.	Electronic delivery.
PULC	LocalPickUp	Pick up locally
NDEL	NoDelivery	No delivery.
SCBA	ShippingToCardholderBillingAddress	Shipping to cardholder billing address
SCSA	ShippingToConsumerSpecifiedShippingAddress	Shipping to consumer specified shipping address

45.2.3.46 GoodAndServiceDeliverySchedule2Code

Definition: Code that specifies the good or service delivery schedule.

Type: CodeSet

CodeName	Name	Definition
ONDL	OvernightDelivery	Overnight delivery.
SDDL	SameDayDelivery	Same day delivery.
TDDL	TwoDaysOrMoreDelivery	Two days or more delivery.

45.2.3.47 GoodsAndServices1Code

Definition: Type of goods and services purchased.

Type: CodeSet

CodeName	Name	Definition
ELEC	Electronic	Electronic goods and services.
PHYS	Physical	Physical goods or services.
ELPH	ElectronicAndPhysical	Electronic and physical goods and services.

45.2.3.48 GoodsAndServicesSubType2Code

Definition: Sub type of goods and services purchased.

Type: CodeSet

CodeName	Name	Definition
CRCU	CryptoCurrency	Sub type applied is cryptocurrency.
FORX	ForeignExchange	Sub type applied is foreign exchange.
SECS	Securities	Sub type applied is securities.

45.2.3.49 GracePeriodUnitType2Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

45.2.3.50 ICCFallbackReason2Code

Definition: A code that provides the reason of ICC fallback.

Type: CodeSet

CodeName	Name	Definition
CIIA	ChoosingIncorrectICApplication	Choosing incorrect IC application.
EDIP	ErrorDuringICAppProcessing.	Error during IC app processing.
TERI	TerminalErrorReadingICData	Terminal error reading IC data.

45.2.3.51 InstalmentAmountDetailsType4Code

Definition: Instalment amount detail type.

Type: CodeSet

CodeName	Name	Definition
AFCO	AnnualFinancingCost	Total financing cost per annum.
EXPN	Expense	Expense Amount
FEES	Fees	Fees amount

CodeName	Name	Definition
FUNA	Funded	Funded amount
INSU	Insurance	Insurance amount
INTR	Interest	Interest amount.
OTHC	OtherCharges	Other amounts
PRNC	Principal	Principal amount.
RQST	Requested	Requested amount
TAXX	Tax	Instalment amount tax
DCNT	Discount	Discount.

45.2.3.52 ISO18245MerchantCategoryCode

Definition: Code used to enable the classification of merchants into specific categories based on the type of business, trade or services supplied. Values are specified only for those merchant categories that are generally expected to originate retail financial transactions (ISO 18245). The code is checked against the list of merchant categories coded with four digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{4,4}

45.2.3.53 ISO2ALanguageCode

Definition: Identification of the language name according to the ISO 639-1 codes. The type is validated by the list of values coded with two alphabetic characters, defined in the standard.

Type: CodeSet

Format

pattern [a-z]{2,2}

45.2.3.54 ISO3NumericCountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Numeric-3 code). The code is checked against the list of country names coded with three digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

45.2.3.55 ISO3NumericCurrencyCode

Definition: Code allocated to a currency, by a maintenance agency, under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds". Valid currency codes are registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

Type: CodeSet

Format

pattern [0-9]{3,3}

Constraints

- **ValidationByTable**

Must be a valid currency code which is registered with the ISO 4217 Maintenance Agency, and consist of three contiguous numbers

45.2.3.56 ISO8583AccountEntryDeviceTypeCode

Definition: Code to define the account entry device type, defined in ISO 8583.

Type: CodeSet

Format

pattern [0-9A-Z]{1,1}

45.2.3.57 ISO8583AccountIdentifierTypeCode

Definition: Type of customer's account identifier.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.58 ISO8583AccountTypeCode

Definition: Code which identifies the type of account (ISO 8583, Account type codes). The code is checked against the list of transaction types coded with two alpha-numeric characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.59 ISO8583ActionCode

Definition: Code which defines the action taken or to be taken as well as the reason for taking this action (ISO 8583:1993, 2003, 2023, Action codes). The code is checked against the list of Action codes with 3 or 4 digits numeric codes, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,4}

45.2.3.60 ISO8583AdditionalServiceResultCode

Definition: Code to indicate the additional service result. The code is defined as a two digit alpha-numeric value.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.61 ISO8583AmountTypeCode

Definition: Code which identifies the type of amount (ISO 8583, Amount type codes). The code is checked against the list of amount types coded with two alpha-numeric characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.62 ISO8583FeeTypeCode

Definition: Code which identifies the type of fee (ISO 8583, fee type codes).

Type: CodeSet

Format

pattern [0-9]{2,2}

45.2.3.63 ISO8583MessageErrorCode

Definition: Code that identifies the error condition, such as missing data or non-numeric dataae (ISO 8583, Message error codes)

Type: CodeSet

Format

pattern [0-9]{4,4}

45.2.3.64 ISO8583MessageReasonCode

Definition: A code that identifies the reason, or purpose, of the message (ISO 8583, Message reason codes). The code is checked against the list of transaction types coded with four digit characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{4,4}

45.2.3.65 ISO8583NetworkManagementInformationCode

Definition: Code used to identify network status. (ISO 8583:1987 or ISO 8583:1993, 2003, 2023 function codes for network management message). The code is checked against the list of codes, defined in the standard.

Type: CodeSet

Format

pattern [0-9]{3,3}

45.2.3.66 ISO8583PINEntryCapabilityCode

Definition: Code to identify the capability of the acceptance device to support PINs.

Type: CodeSet

Format

pattern [0-9]{2,2}

45.2.3.67 ISO8583POSConditionCode

Definition: A code identifying transaction conditions at the point-of-sale or point of service, refer to ISO 8583:1987.

Type: CodeSet

Format

pattern [0-9]{2,2}

45.2.3.68 ISO8583ResponseCode

Definition: A code which defines the action taken or to be taken as well as the reason for taking this action (ISO 8583, Response codes). The code is checked against the list of Response codes coded with two alpha-numeric characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.69 ISO8583ShippingIndicatorCode

Definition: A code identifying shipping method.

Type: CodeSet

Format

pattern [0-9]{2,2}

45.2.3.70 ISO8583TransactionTypeCode

Definition: Code which indicates the type of transaction being undertaken (ISO 8583, Transaction type codes). The code is checked against the list of transaction types coded with two alpha-numeric characters, defined in the standard.

Type: CodeSet

Format

pattern [0-9A-Z]{2,2}

45.2.3.71 ISOCountrySubDivisionCode

Definition: Code to identify an area of geopolitical interest, based on names obtained from the United Nations ISO 3166-2 or the local authority.

Type: CodeSet

Format

pattern [A-Z]{2,3}

45.2.3.72 ISOMax3ACountryCode

Definition: Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 or Alpha-3 code). The code is checked against the list of country names coded with three alphabetic characters, defined in the standard.

Type: CodeSet

Format

pattern [A-Z]{2,3}

45.2.3.73 ISOMax3ALanguageCode

Definition: Identification of the language name in accordance with ISO 639-1 and ISO 639-2. The type is validated by the list of values coded with two or three alphabetic characters, defined in the standard.

Type: CodeSet

Format

pattern [a-z]{2,3}

45.2.3.74 KeyType2Code

Definition: Contains the list of key types that may be exchanged.

Type: CodeSet

CodeName	Name	Definition
PTKA	PINTranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINTranslationKeyIssuer	PIN translation key applicable to the issuer

45.2.3.75 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

45.2.3.76 LegalStructure1Code

Definition: Legal structure for assigning an identification.

Type: CodeSet

CodeName	Name	Definition
STAE	State	Legal structure is a state.
PVIN	Province	Legal structure is a province.
MUNI	Municipal	Legal structure is a municipal.
CNTY	County	Legal structure is a county.
NATI	National	Legal structure is a state.

45.2.3.77 LifeCycleSupport1Code

Definition: Indicates the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Type: CodeSet

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

45.2.3.78 LocationAmenity2Code

Definition: Codes pertaining to the amenities available at the location where the merchant actually performed the transaction.

Type: CodeSet

CodeName	Name	Definition
AADA	AccessAndDirectionsAvailable	Interstate Access and Exit Number information with directions Available
AFLA	AlternativeFuelLocationsAvailable	Alternative fuel locations available
AVLA	AviationLocationsAvailable	Aviation locations available
CRWA	CarWashAvailable	Car wash available
CVSA	ConvenienceStoreAvailable	Convenience Store Available
DISA	DieselSitesAvailable	Diesel Sites Available
EWAA	EighteenWheelAccessAvailable	18-wheeler access availability

CodeName	Name	Definition
MRLA	MarinaLocationsAvailable	Marina locations available
PAPA	PayAtPumpAvailable	Pay-at-pump available
TSHA	TruckStopHotelAvailable	Truck Stop Hotel Available
TSRA	TruckStopRestaurantAvailable	Truck Stop Restaurant Available
TSSA	TruckStopWithShowersAvailable	Truck stop with showers available
TFHA	TwentyFourHourAvailability	24 hour availability
VSWA	VehicleScalesWeight	Vehicle scales and weigh services available
VHPA	VehicleParking	Vehicle parking available
VMRA	VehicleMaintenanceRepairBaysAvailable	Vehicle maintenance/repair bays available

45.2.3.79 LodgingActivity2Code

Definition: Lodging type of activity.

Type: CodeSet

CodeName	Name	Definition
APTM	Apartment	Apartment residence.
BEBR	BedAndBreakfast	Bed and breakfast or related lodging.
COTT	Cottage	Cottage and related lodging.
CRUI	Cruise	Cruise line lodging.
HOME	Home	An individual offering lodging facilities.
HOST	Hostel	Hostel or related lodging.
HOTL	Hotel	Hotel or related lodging.
LODG	Lodge	Lodge or related lodging.
MOTL	Motel	Motel or related lodging.
RESO	Resort	Resort or related lodging.
ROAB	RoomAndBoard	Room and board or related lodging.
TOSH	TouristShelter	Tourist shelter and related lodging.

45.2.3.80 LodgingService1Code

Definition: Type of lodging service.

Type: CodeSet

CodeName	Name	Definition
ACCO	Accommodation	Room accommodation
AUDI	AudioVisual	Audio visual lodging service.
BANQ	Banquet	Banquet lodging service.
BREK	Breakfast	Breakfast lodging service.

CodeName	Name	Definition
BUSS	BusinessCentre	Business centre lodging service.
CONC	Concierge	Concierge lodging service.
EARA	EarlyArrival	Early arrival lodging service.
EARD	EarlyDeparture	Early departure lodging service.
ENTR	Entertainment	Entertainment lodging service.
FCAA	FolioCashAdvance	Folio cash advance lodging service.
GAME	Games	Games lodging service.
GARA	Garage	Garage lodging service.
GIFT	GiftShop	Gift shop lodging service.
HEAL	Health	Health lodging service.
INTE	Internet	Internet lodging service.
LAUN	Laundry	Laundry lodging service.
LONG	LoungeBar	Lounge bar lodging service.
MINI	MiniBar	Mini bar lodging service.
NOSH	NoShow	No show lodging service.
OTHR	Other	Other type of service.
PARK	Parking	Parking lodging service.
PHON	Phone	Phone lodging service.
REST	Restaurant	Restaurant lodging service.
RMSE	RoomService	Room service.
SPAS	Spa	Spa lodging service.
THRD	ThirdParty	Third-party lodging service.
TRAN	Transportation	Transportation lodging service.
VODS	VideoOnDemand	Video on demand lodging service.

45.2.3.81 MessageClass2Code

Definition: Identifies a class of messages with the same high level function.

Type: CodeSet

CodeName	Name	Definition
ADDE	Addendum	Addendum class of messages.
AMDT	Amendment	Amendment class of messages.
AUTH	Authorisation	Authorisation class of messages.
CMGT	CardManagement	Card management class of messages.
CBCK	ChargeBack	Charge back class of messages.
FEEC	FeeCollection	Fee collection class of messages.
FINL	Financial	Financial class of messages.

CodeName	Name	Definition
INVR	InquiryVerification	Inquiry verification class of messages

45.2.3.82 MessageFunction16Code

Definition: Identifies the type of process related to a financial initiation and financial response message.

ISO 8583 MTI

Type: CodeSet

CodeName	Name	Definition
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.
NOTI	Notification	Information about the transaction.
CAAD	CaptureAdvice	Advice about the capture of an activity already performed (response expected).
CANO	CaptureNotification	Notification about the capture of an activity already performed (no response expected).
REQU	Request	Message function is a request.

45.2.3.83 MOTO2Code

Definition: A code that identifies the type of MOTO transaction.

Type: CodeSet

CodeName	Name	Definition
MAOR	MailOrder	Mail order.
MOTO	MailOrderOrTelephoneOrder	Mail order or telephone order.
TPOR	TelephoneOrder	Telephone order

45.2.3.84 OfficialDocumentType2Code

Definition: Type of official document used for identification or authentication.

Type: CodeSet

CodeName	Name	Definition
ARNU	AlienRegistration	Number assigned by a government agency to identify foreign nationals.
AUTH	Authorisation	Travel authorisation assigned by a government agency (e.g. ESTA, etc.)
DIPL	Diplomatic	Diplomatic passport or travel document.
DVLC	DrivingLicense	Driving license.
EURO	Europol	Europol-issued travel or related document.
IDEN	IdentityCard	Identity card.

CodeName	Name	Definition
INTE	Internal	Internal travel document.
INPO	Interpol	Interpol-issued travel or related document
LZPR	Laissezpasser	Emergency travel or related document.
PASS	Passport	Passport.
VISA	PassportVisa	Visa issued by a government or related authority.
PERM	Permit	Permit.
REFU	Refugee	Travel or related document issued to refugees.

45.2.3.85 OnLineCapability2Code

Definition: On-line and off-line capabilities of the POI (Point Of Interaction).

Type: CodeSet

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
BOTH	BothOnLineAndOffLine	Both online and offline

45.2.3.86 OutputFormat1Code

Definition: Message format.

Type: CodeSet

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

45.2.3.87 OutputFormat6Code

Definition: Output of message format.

Type: CodeSet

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
SMSI	ShortMessageService	Short message service
TEXT	SimpleText	Text without format attributes.

CodeName	Name	Definition
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

45.2.3.88 OutputFormat7Code

Definition: Specifies the format of the data.

Type: CodeSet

CodeName	Name	Definition
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.
PLIN	PrintLine	A formatted print line.
JSON	JSON	Java Syntax Object Notation format.
XMLF	XML	eXtensible Markup Language format.
EDIF	EDIFACT	Electronic data interchange for administration, commerce and transport.
CSVF	CSV	Comma separated value format.
JPEG	JPEG	Joint Photographic Experts Group format.
PDFF	PDF	Portable Document Format.
PNGF	PNG	Portable Network Graphics format.
SVGF	SVG	Scalable vector graphic format.

45.2.3.89 PartyType20Code

Definition: Card domain type of party.

Type: CodeSet

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
CRDH	Cardholder	Holder of a payment card.
CISS	CardIssuer	Party that issues cards.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

45.2.3.90 PeriodUnit5Code

Definition: Type of period unit to be used.

Type: CodeSet

CodeName	Name	Definition
MNTH	Months	Counted in months.
WEEK	Weeks	Counted in weeks.
YEAR	Years	Counted in years.
DAYS	Days	Counted in days.
EXDY	ExtraDays	Extra Days
MINU	Minutes	Period unit expressed in minutes
HFDA	HalfDays	Half days
HOUR	Hours	Period unit expressed in hours.

45.2.3.91 PlanOwner2Code

Definition: Contains list of plan owners

Type: CodeSet

CodeName	Name	Definition
ACCP	Acceptor	Plan owner is an acceptor.
ACQR	Acquirer	Plan owner is an acquirer.
ISSR	Issuer	Plan owner is an issuer.

45.2.3.92 POIComponentType5Code

Definition: Type of component belonging to a POI (Point of Interaction) Terminal.

Type: CodeSet

CodeName	Name	Definition
AQPP	AcquirerProtocolParameters	Parameters for acquirer interface of the point of interaction, including acquirer host configuration parameters.
APPR	ApplicationParameters	Parameters of a payment application running on the point of interaction.
TLPR	TerminalParameters	Manufacturer configuration parameters of the point of interaction.
SCPR	SecurityParameters	Security parameters of the point of interaction.
SERV	Server	Payment server of a point of interaction system.
TERM	Terminal	Payment terminal point of interaction.
DVCE	Device	Device sub-component of a component of the point of interaction.
SECM	SecureModule	Security module.

CodeName	Name	Definition
APLI	PaymentApplication	Payment application software.
EMVK	EMVKernel	EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
EMVO	EMVLevel1	EMV physical interface (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).
MDWR	Middleware	Software module of the point of interaction.
DRVR	Driver	Driver module of the point of interaction.
OPST	OperatingSystem	Software that manages hardware to provide common services to the applications.
MRPR	MerchantParameters	Merchant configuration parameters for the point of interaction (POI).
CRTF	CertificateParameters	Certificate provided by a terminal manager.
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
SACP	SaleComponent	Component of the Sale system.
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.

45.2.3.93 PresentationMedium2Code

Definition: Presentation medium type.

Type: CodeSet

CodeName	Name	Definition
BIOM	Biometric	Biometric medium.
ELEC	Electronic	Presentation is made electronically.
PAPR	Paper	Presentation is made on paper.
BOTH	PaperElectronic	Presentation is made on paper and/or electronically.

45.2.3.94 ProductCodeType1Code

Definition: Type of product codification used to identify a product uniquely.

Type: CodeSet

CodeName	Name	Definition
EA13	EuropeanArticleNumber13	European Article Number of type-13 also known as International Article Number
EAN8	EuropeanArticleNumber8	European Article Number of type-8 also known as International Article Number

CodeName	Name	Definition
GTIN	GlobalTradeItemNumber	Global Trade Item Number (GTIN) is an identifier for trade items.
OTHR	Other	Other type of product code classification.
PLUP	PriceLookUpCodes	Price look-up codes, commonly called PLU codes, PLU numbers, PLUs, produce codes, or produce labels, are identification numbers affixed to produce in grocery stores and supermarkets
RS14	ReduceSpaceSymbology14	RSS 14 barcode (Reduce Space Symbology) encodes the full EAN item identification in a symbol that can be omnidirectionally scanned by suitably configured point-of-sale laser scanners.
UPCA	UniformProductCodeA	Uniform Product Code - A-type
UPCE	UniformProductCodeE	Uniform Product Code E-Type

45.2.3.95 ProtectionMethod2Code

Definition: Method used to protect the sensitive data.

Type: CodeSet

CodeName	Name	Definition
SELM	SecureElement	Secure element method.
SNCL	SecureEnclave	Secure enclave method.
SOFT	Software	Software protection method.
TEEN	TrustedExecutionEnvironment	Trusted execution environment method.
TPMD	TrustedPlatformModule	Trusted Platform Module (TPM).
VTEE	VirtualTrustedExecutionEnvironment	Virtual trusted execution environment

45.2.3.96 PurchaseIdentifierType3Code

Definition: Identifies the type of identifier used in the Purchase Identifier field.

Type: CodeSet

CodeName	Name	Definition
SUIN	SupplierInvoice	Supplier Invoice
RELO	RecordLocator	Record Locator
INNU	InvoiceNumber	Invoice Number
PUID	PurchaseIdentification	Purchase Identification
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
TINU	TicketNumber	Ticket Number
SUOR	SupplierOrder	Supplier Order
CONU	ContractNumber	Contract Number

CodeName	Name	Definition
FONU	FolioNumber	Folio Number
PRNU	PaymentReferenceNumber	Payment Reference Number
ORNU	OrderNumber	Order Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
REAG	RentalAgreement	Rental Agreement
TRNU	TrackingNumber	Tracking Number
TREF	TransactionReference	Transaction Reference Number

45.2.3.97 QRCodePresentmentMode2Code

Definition: Identifies the mode used to present a QR Code for a transaction.

Type: CodeSet

CodeName	Name	Definition
CPMD	ConsumerPresented	The consumer presented a QR Code at the point of service for the transaction.
MPMD	MerchantPresented	The acceptor presented a QR Code to the consumer for the transaction.

45.2.3.98 ReceiptType1Code

Definition: Way of transmitting receipt information to recipient.

Type: CodeSet

CodeName	Name	Definition
EMAL	EMail	Receipt transmitted by Email.
OTHR	Other	Other type of channel to transmit receipt information to the recipient.
PAPR	Paper	Receipt in a paper form.
SMSM	SMS	Receipt transmitted by SMS message.
URID	UniformResourceIdentifier	Receipt transmitted to a Uniform Resource Identifier (URI) address.

45.2.3.99 RecommendedActionCode1

Definition: Recommended action for the card issuer.

Type: CodeSet

CodeName	Name	Definition
APPV	Approve	Approve the transaction.
BLCK	BlockCard	Block the card.
CPTR	CaptureCard	Capture the card.
DCLN	Decline	Decline the transaction.

CodeName	Name	Definition
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
NDCL	NoReasonForDecline	No reason for declining the transaction.
RFRL	Referral	Referral has to be performed.
STUA	StepUpAuthentication	Further authentication required (e.g. one-time password)

45.2.3.100 ReconciliationActivityType2Code

Definition: Code to indicate the activity type to be reconciled.

Type: CodeSet

CodeName	Name	Definition
ACQG	Acquiring	Acquiring activity.
CNSD	Consolidated	All types of activity.
ISSG	Issuing	Issuing activity

45.2.3.101 ReconciliationCategory2Code

Definition: Contains the reconciliation category.

Type: CodeSet

CodeName	Name	Definition
RVSL	Reversal	Reconciliation category is reversal.
FNCL	Financial	Reconciliation category is financial.
CGBK	Chargeback	Reconciliation category is a chargeback.

45.2.3.102 ReconciliationFunction1Code

Definition: Indicates whether the message is a request for totals or to convey totals.

Type: CodeSet

CodeName	Name	Definition
INQR	Inquire	Inquiry for reconciliation totals
INCU	InitiateCutover	Initiation of a cutover.
CNVY	Convey	Convey reconciliation totals

45.2.3.103 ReconciliationImpact1Code

Definition: Reconciliation credit or debit indicator.

Type: CodeSet

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

45.2.3.104 ReconciliationMessageType2Code

Definition: Contains the reconciliation message type.

Type: CodeSet

CodeName	Name	Definition
BATR	BatchTransferResponse	Batch Transfer Response
CAMI	CardManagementInitiation	Card Management Initiation
CAMR	CardManagementResponse	Card Management Response
CGBI	ChargebackInitiation	Chargeback Initiation
CGBR	ChargebackResponse	Chargeback Response
EROR	Error	Error
FECI	FeeCollectionInitiation	Fee Collection Initiation
FECD	FeeCollectionResponse	Fee Collection Response
FAI	FileActionInitiation	File Action Initiation
FIAR	FileActionResponse	File Action Response
FINR	FinancialResponse	Financial Response
FINI	FinancialInitiation	Financial Initiation
FRDI	FraudDispositionInitiation	Fraud Disposition Initiation
FRDR	FraudDispositionResponse	Fraud Disposition Response
FRR	FraudReportingInitiation	Fraud Reporting Initiation
FRRR	FraudReportingResponse	Fraud Reporting Response
INQI	InquiryInitiation	Inquiry Initiation
INQR	InquiryResponse	Inquiry Response
KYEI	KeyExchangeInitiation	Key Exchange Initiation
KYER	KeyExchangeResponse	Key Exchange Response
NWMI	NetworkManagementInitiation	Network Management Initiation.
NWMR	NetworkManagementResponse	Network Management Response
RECI	ReconciliationInitiation	Reconciliation Initiation
RECR	ReconciliationResponse	Reconciliation Response
RTFI	RetrievalFulfilmentInitiation	Retrieval Fulfilment Initiation
RTFR	RetrievalFulfilmentResponse	Retrieval Fulfilment Response
RTRI	RetrievalResponse	Retrieval Response
REVI	ReversalInitiation	Reversal Initiation
REVR	ReversalResponse	Reversal Response
SERI	SettlementReportingInitiation	Settlement Reporting Initiation
SERR	SettlementReportingResponse	Settlement Reporting Response
VERI	VerificationInitiation	Verification Initiation.

CodeName	Name	Definition
VERR	VerificationResponse	Verification Response
AMDT	Amendment	Amendment
ATHI	AuthorisationInitiation	Authorisation Initiation
ATHR	AuthorisationResponse	Authorisation Response
BAMI	BatchManagementInitiation	Batch Management Initiation
BAMR	BatchManagementResponse	Batch Management Response
BATI	BatchTransferInitiation	Batch Transfer Initiation
ADDI	AddendumInitiation	Addendum initiation
ADDR	AddendumResponse	Addendum response
RTVI	RetrievalInitiation	Retrieval Initiation Message

45.2.3.105 RiskAssessment1Code

Definition: Code that specifies risk assessment result.

Type: CodeSet

CodeName	Name	Definition
APPC	ApproveConditionally	Recommended to approve conditionally.
APPH	ApproveConditionallyWithHighRisk	Recommended to approve conditionally; high risk conditions exist.
APPU	ApproveUnconditionally	Recommended to approve unconditionally.
DONT	DoNotApprove	Recommended to not approve.

45.2.3.106 SecurityCharacteristics2Code

Definition: Security characteristics of the communication link.

Type: CodeSet

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTe	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.
CENC	ChannelEncryption	Encryption used to secure the communication channel.
CMAC	ChannelMAC	Usage of MAC to secure a communication channel
ETEE	EndToEndEncryption	Encryption used from one end to the other end of the communication channel.
METE	MerchantEndToEndEncryption	Encryption initiated by the merchant to secure end-to-end communication channel.

CodeName	Name	Definition
MPTE	MerchantPointToPointEncryption	Encryption initiated by the merchant to secure point-to-point communication channel.
OPNN	OpenNetwork	Open network
PMAC	PassthroughMAC	MAC used in a pass-through communication mode
PKIE	PKIEncryption	Encryption using PKI to secure the communication channel.
PRAE	PrivateAlgorithmEncryption	Encryption using a private algorithm to secure a communication channel.
PRAM	PrivateAlgorithmMAC	Private algorithm used for MAC.
PRVN	PrivateNetwork	Private network.
STAM	StandardAlgorithmMAC	Standard algorithm used for MAC
APTE	AcquirerPointToPointEncryption	Encryption initiated by the acquirer to secure point-to-point communication channel.
AETE	AcquirerEndToEndEncryption	Encryption initiated by the acquirer to secure end-to-end communication channel.

45.2.3.107 SettlementReportType2Code

Definition: Type of settlement report

Type: CodeSet

CodeName	Name	Definition
FIPO	FinalPosition	Final settlement position.
INPO	InterimPosition	Interim settlement position.

45.2.3.108 SoftwareType2Code

Definition: Software type code.

Type: CodeSet

CodeName	Name	Definition
MFFW	ManufacturerFirmware	Manufacturer Firmware.
MFSW	ManufacturerSoftware	Manufacturer Software.
APSW	ApplicationSoftware	Application Software.

45.2.3.109 StorageLocation2Code

Definition: Code that specifies the storage location.

Type: CodeSet

CodeName	Name	Definition
CAWL	CardAcceptorWallet	Storage is in wallet managed by card acceptor.
DVCE	Device	Stored in device.
ISWL	IssuerWallet	Storage is in wallet managed by Issuer.
ONFL	OnFile	Storage is on file.
TPWL	ThirdPartyWallet	Storage location is in wallet managed by a third party.

45.2.3.110 TaxReclaimMethod1Code

Definition: Contains Tax Reclaim options

Type: CodeSet

CodeName	Name	Definition
INPP	InvoicePrintedPrimary	Invoice printed and given to purchaser and then used for tax reclaim
INPS	InvoicePrintedSupplimental	Invoice printed but treated as supplemental because electronic copy is used for tax reclaim
INSU	InvoiceSuppressed	Printed invoice suppressed because electronic master version is used for tax reclaim
OTHR	Other	Other tax reclaim method not elsewhere specified

45.2.3.111 TelephonyCallType2Code

Definition: Indicates the call type

Type: CodeSet

CodeName	Name	Definition
VCML	VoiceMail	Voice mail
TFPC	TollFreeCall	Toll free phone call
PAGE	Page	Page
OGPC	OutgoingCall	Outgoing phone call
OTCL	Other	Other type of call not elsewhere classified.
ICPC	IncomingCall	Incoming phone call

45.2.3.112 TemporaryServicesCharge2Code

Definition: Charge types for temporary services

Type: CodeSet

CodeName	Name	Definition
WKND	Weekend	Weekend

CodeName	Name	Definition
REGL	Regular	Regular
OVRT	Overtime	Overtime
ONCL	OnCall	On call
NITE	Night	Night
HOLI	Holiday	Holiday
HAZD	Hazard	Hazard

45.2.3.113 TerminalIntegrationCategory1Code

Definition: Terminal category code of the place where the merchant actually performed the transaction.

Type: CodeSet

CodeName	Name	Definition
MPOI	MultiplePOITerminal	Multiple terminals linked to a unique sale terminal.
MSLE	MultipleSaleTerminal	Terminal serving multiple sale terminals.
SSLE	SingleSaleTerminal	Terminal linked to a unique sale terminal.

45.2.3.114 TerminalType2Code

Definition: Type of terminal to perform the transaction.

Type: CodeSet

CodeName	Name	Definition
ATMT	ATM	Automated Teller Machine
MPOS	mPOS	Mobile or tablet used as a Point of Sale terminal
POST	POS	Point of Sale terminal.

45.2.3.115 TransactionAttribute3Code

Definition: Attribute related to the transaction.

Type: CodeSet

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.
DBRC	DebtRecovery	Debt Recovery.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.

CodeName	Name	Definition
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
FRCP	FirstRecurring	First occurrence of a recurring payment.
INST	Instalment	Payment is an instalment one.
PAUT	PreAuthorisation	Preauthorisation for an amount which is unknown at the time when the transaction is initiated and to be cleared within a specified timeframe.
PACP	PreAuthorisationCompletion	Financial completion of a pre-authorised transaction within a specified timeframe.
PPYT	PrePayment	Payment in advance of receiving goods or services.
RCPT	RecurringPayment	An occurrence of a recurring payment..
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
UCOF	UnscheduledCardOnFile	Unscheduled Card On File.

45.2.3.116 TransactionInitiator1Code

Definition: Identifies the transaction initiator.

Type: CodeSet

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

45.2.3.117 TransportType2Code

Definition: Contains the transportation type code list

Type: CodeSet

CodeName	Name	Definition
AIRR	Air	Air
BUSS	Bus	Bus
RAIL	Rail	Rail
SHIP	Ship	Ship

45.2.3.118 TypeOfAmount22Code

Definition: Type or class of amount.

Type: CodeSet

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default amount.
DPST	Deposit	Deposit amount.
ESTM	Estimated	Estimated amount (the final amount could be above or below).
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
PRXY	Proxy	Substitute for an amount to be authorised.
RESD	Reserved	Reserved or updated reserved amount for reservation.

45.2.3.119 TypeOfAmount24Code

Definition: Identification or qualification of the type of amount.

Type: CodeSet

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
BAGG	Baggage	Baggage related fees
CARG	Cargo	Cargo Amount.
CHTC	ChargedToCard	Amount that has been charged to card account
CLUB	ClubFee	Amount for club fee.
DUTY	DutyFree	Duty free amount
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)
FARE	Fare	Amount of fare
FDBV	FoodBeverage	Amount of food and beverages
INSU	Insurance	Insurance charges
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
PETC	PetCarrier	Pet carrier.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges
TOUR	TourOrder	Tour order amount.

CodeName	Name	Definition
UPGD	Upgrade	Amount for an upgrade.
TKDL	TicketDelivery	Ticket delivery amount.
FEES	Fees	Fees.

45.2.3.120 TypeOfAmount25Code

Definition: Identification or qualification of the type of amount.

Type: CodeSet

CodeName	Name	Definition
CONN	Connect	Telephone connection-related charge
INSU	Insurance	Insurance charges
LNDS	LongDistance	Charges related to a long distance call.
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
USGE	Usage	Telephone usage-related charge

45.2.3.121 UnitOfMeasure10Code

Definition: Unit of measure expressed in miles and kilometres.

Type: CodeSet

CodeName	Name	Definition
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
MILE	Mile	Unit of length equal to 1, 760 yards.

45.2.3.122 UnitOfMeasure14Code

Definition: Unit of measure of the item purchased.

Type: CodeSet

CodeName	Name	Definition
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
INCH	Inch	Measure of length equal to 2.54 cm.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.

CodeName	Name	Definition
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
FOOT	Foot	Unit of length equal to 1/3 yard.
MILE	Mile	Unit of length equal to 1, 760 yards.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.
ARES	Are	Unit of measure equal to a 100 square meters.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.

CodeName	Name	Definition
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
KWHO	KilowattHours	Unit of measure that is equal to the power consumption of one kilowatt during one hour.
CHMT	ChargingMinutes	EV Charging minutes.

45.2.3.123 UnitOfMeasure1Code

Definition: Unit of measure of the item purchased.

Type: CodeSet

CodeName	Name	Definition
PIEC	Piece	Standard length of cloth, wallpaper, as an item for sale or amount of a substance.
TONS	Ton	Measure of weight, in Britain 2240lb (long ton)and in the US 2000lb (short ton).
FOOT	Foot	Unit of length equal to 1/3 yard.
GBGA	GBGallon	Unit of volume that is equal to 8 pints.
USGA	USGallon	Unit of volume that is equal to 8 pints.
GRAM	Gram	Unit of measure that is equal to a 1, 000th of a kilo.
INCH	Inch	Measure of length equal to 2.54 cm.
KILO	Kilogram	Basic unit of mass in the SI system, 1000 grams.
PUND	Pound	Unit of weight equal to 0.454 kilograms.
METR	Metre	Unit of length in the metric system, equal to 39.37 inches.
CMET	Centimetre	Unit of measure that is equal to one hundredth of a metre.
MMET	Millimetre	Unit of measure that is a thousandth of one metre.
LITR	Litre	Unit of volume that is equal to a thousand cubic centimetres.
CELI	Centilitre	Unit of volume that is equal to one hundredth of a litre.
MILI	MilliLitre	Unit of volume that is equal to one thousandth of a litre.

CodeName	Name	Definition
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.
GBQA	GBQuart	Unit of volume that is equal to 2 pints.
USQA	USQuart	Unit of volume that is equal to 2 pints.
GBPI	GBPint	Unit of volume that is equal to 568 cubic centimetres.
USPI	USPint	Unit of volume that is equal to 473 cubic centimetres.
MILE	Mile	Unit of length equal to 1, 760 yards.
KMET	Kilometre	Unit of measure that is equal to 1, 000 meters.
YARD	Yard	Unit of length equal to 3 feet or 0.9144 metre.
SQKI	SquareKilometre	Measure of a surface, one kilometre by one kilometre.
HECT	Hectare	Unit of measure that is equal to 10, 000 square meters.
ARES	Are	Unit of measure equal to a 100 square meters.
SMET	SquareMetre	Measure of a surface, one metre by one metre.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.
SMIL	SquareMillimetre	Measure of a surface, one millimetre by one millimetre.
SQMI	SquareMile	Measure of a surface, one mile by one mile.
SQYA	SquareYard	Measure of a surface, one yard by one yard.
SQFO	SquareFoot	Measure of a surface, one foot by one foot.
SQIN	SquareInch	Measure of a surface, one inch by one inch.
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

45.2.3.124 UserInterface1Code

Definition: Type of user interface to display or print information.

Type: CodeSet

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.

CodeName	Name	Definition
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

45.2.3.125 Verification4Code

Definition: Result of a verification.

Type: CodeSet

CodeName	Name	Definition
FAIL	Failed	Verification failed.
FUTA	FurtherAction	Further action required.
MISS	Missing	Information required to perform the verification was missing.
NOSP	NotSupported	Not support the verification type
NOVF	NotPerformed	Verification has not been performed.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

45.2.3.126 VerificationEntity3Code

Definition: Type of verification entity.

Type: CodeSet

CodeName	Name	Definition
MERC	Acceptor	Acceptor (for example signature verification by the attendant).
ACQR	Acquirer	Acquirer of the transaction.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between (or on behalf of) an acquirer and an issuer.
ISSR	Issuer	Card issuer.
CDAD	AcceptanceDevice	Type of Device to accept payment
ICCA	CardApplication	Application in the smart card.

45.2.4 Date

45.2.4.1 ISODate

Definition: A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

45.2.4.2 JulianDate

Definition: Date in form yddd format where y=0-9, ddd=001-366

Type: Date

45.2.5 DateTime

45.2.5.1 ISODateTime

Definition: A particular point in the progression of time defined by a mandatory date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Note on the time format:

1) beginning / end of calendar day

00:00:00 = the beginning of a calendar day

24:00:00 = the end of a calendar day

2) fractions of second in time format

Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.

Type: DateTime

45.2.6 Indicator

45.2.6.1 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

45.2.7 Quantity

45.2.7.1 DecimalNumber

Definition: Number of objects represented as a decimal number, for example 0.75 or 45.6.

Type: Quantity

Format

totalDigits	18
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fractionDigits	17
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45.2.7.2 Max10NumberFraction2

Definition: Number of objects represented as a decimal number, for example, 0.75 or 45.6.

Type: Quantity

Format

totalDigits	10
fractionDigits	2

45.2.7.3 Max10PositiveNumber

Definition: Number of objects represented as a positive integer.

Type: Quantity

Format

minInclusive	1
totalDigits	10
fractionDigits	0

45.2.7.4 Max1Number

Definition: Number (max 9) of objects represented as an integer.

Type: Quantity

Format

totalDigits	1
fractionDigits	0

45.2.7.5 Max5PositiveNumber

Definition: Number of objects represented as a positive integer.

Type: Quantity

Format

minInclusive	1
totalDigits	5
fractionDigits	0

45.2.7.6 Max6NumberFraction2

Definition: Number of objects represented as a decimal number, for example, 1234.75 or 0.06

Type: Quantity

Format

totalDigits	6
fractionDigits	2

45.2.7.7 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

totalDigits	18
fractionDigits	0

45.2.8 Rate

45.2.8.1 BaseOne25Rate

Definition: Rate expressed as a decimal, for example, 0.7 is 7/10 and 70% with 13 fractional digits maximum and 25 total digits. May contain values larger than 1.

Type: Rate

Format

totalDigits	25
fractionDigits	13
baseValue	1.0

45.2.8.2 BaseOneRate

Definition: Rate expressed as a decimal, for example, 0.7 is 7/10 and 70%.

Type: Rate

Format

totalDigits	11
fractionDigits	10
baseValue	1.0

45.2.8.3 PercentageRate

Definition: Rate expressed as a percentage, that is, in hundredths, for example, 0.7 is 7/10 of a percent, and 7.0 is 7%.

Type: Rate

Format

totalDigits	11
-------------	----

fractionDigits	10
baseValue	100.0

45.2.9 Text

45.2.9.1 Exact12Text

Definition: Specifies a character string with an exact length of 10 characters.

Type: Text

Format

length	12
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45.2.9.2 Exact14NumericText

Definition: Specifies a numeric string with an exact length of 14 digits. YYYYMMDDHHMMSS.

Type: Text

Format

pattern	[0-9]{14}
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45.2.9.3 Exact15Text

Definition: Specifies a character string with an exact length of 15 characters.

Type: Text

Format

length	15
--------	----

45.2.9.4 Exact1AlphaText

Definition: Specifies an alpha string with a length of 1 character.

Type: Text

Format

pattern	[a-zA-Z]{1}
---------	-------------

45.2.9.5 Exact1HexBinaryText

Definition: Specifies a character string with an exact length of 1 binary bytes (2 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern ([0-9A-F][0-9A-F]){1}

45.2.9.6 Exact1NumericText

Definition: Specifies a numeric string with an exact length of 1 digit.

Type: Text

Format

pattern [0-9]

45.2.9.7 Exact1Text

Definition: Specifies a character string with an exact length of 1 character.

Type: Text

Format

length 1

45.2.9.8 Exact2NumericText

Definition: Specifies a numeric string with an exact length of 2 digits.

Type: Text

Format

pattern [0-9]{2}

45.2.9.9 Exact3AlphaNumericText

Definition: Specifies an alphanumeric string with a length of exact 3 characters.

Type: Text

Format

pattern [a-zA-Z0-9]{3}

45.2.9.10 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

pattern [0-9]{3}

45.2.9.11 Exact6AlphaNumericText

Definition: Specifies an alphanumeric string with a length of 6 characters.

Type: Text

Format

pattern [a-zA-Z0-9\s]{6}

45.2.9.12 GeographicPointInDecimalDegreesText

Definition: Identifies a geographic point or location by geographic coordinates expressed in latitude/longitude decimal degrees only.

Type: Text

Format

maxLength 27
pattern (\+|-)?[d]{1,3}(\.[d]{1,8})?/(\+|-)?[d]{1,3}(\.[d]{1,8})?

45.2.9.13 Max1000Text

Definition: Specifies a character string with a maximum length of 1000 characters.

Type: Text

Format

minLength 1
maxLength 1000

45.2.9.14 Max100Text

Definition: Specifies a character string with a maximum length of 100 characters.

Type: Text

Format

minLength 1
maxLength 100

45.2.9.15 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

minLength 1
maxLength 104

45.2.9.16 Max105Text

Definition: Specifies a character string with a maximum length of 105 characters.

Type: Text

Format

minLength	1
maxLength	105

45.2.9.17 Max10KHexBinaryText

Definition: Specifies a character string with a maximum length of 10000 binary bytes (20000 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern	([0-9A-F][0-9A-F]){1,10000}
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45.2.9.18 Max10KText

Definition: Specifies a character string with a maximum length of 10 000 characters.

Type: Text

Format

minLength	1
maxLength	10000

45.2.9.19 Max10MbText

Definition: Specifies a character string with a maximum length of 10,000,000 characters.

Type: Text

Format

minLength	1
maxLength	10000000

45.2.9.20 Max10NumericText

Definition: Specifies a numeric string with a maximum length of 10 digits.

Type: Text

Format

pattern	[0-9]{1,10}
---------	-------------

45.2.9.21 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

minLength	1
maxLength	10

45.2.9.22 Max11NumericText

Definition: Specifies a numeric string with a maximum length of 11 digits.

Type: Text

Format

pattern	[0-9]{1,11}
---------	-------------

45.2.9.23 Max12NumericText

Definition: Specifies a numeric string with a maximum length of 12 digits

Type: Text

Format

pattern	[0-9]{1,12}
---------	-------------

45.2.9.24 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
maxLength	140

45.2.9.25 Max15AlphaNumericText

Definition: Specifies an alphanumeric string with a maximum length of 15 characters.

Type: Text

Format

minLength	1
maxLength	15
pattern	[a-zA-Z0-9]{1,15}

45.2.9.26 Max15NumericText

Definition: Specifies a numeric string with a maximum length of 15 digits.

Type: Text

Format

pattern [0-9]{1,15}

45.2.9.27 Max15Text

Definition: Specifies a character string with a maximum length of 15 characters.

Type: Text

Format

minLength 1
maxLength 15

45.2.9.28 Max16HexBinaryText

Definition: Specifies a character string with a maximum length of 16 binary bytes (32 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern ([0-9A-F][0-9A-F]){1,16}

45.2.9.29 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

minLength 1
maxLength 16

45.2.9.30 Max19HexBinaryText

Definition: Specifies a character string with a maximum length of 19 binary bytes (38 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern ([0-9A-F][0-9A-F]){1,19}

45.2.9.31 Max19NumericText

Definition: Specifies a numeric string with a maximum length of 19 digits.

Type: Text

Format

pattern	[0-9]{1,19}
---------	-------------

45.2.9.32 Max2000Text

Definition: Specifies a character string with a maximum length of 2000 characters.

Type: Text

Format

minLength	1
maxLength	2000

45.2.9.33 Max200Text

Definition: Specifies a character string with a maximum length of 200 characters.

Type: Text

Format

minLength	1
maxLength	200

45.2.9.34 Max2048Text

Definition: Specifies a character string with a maximum length of 2048 characters.

Type: Text

Format

minLength	1
maxLength	2048

45.2.9.35 Max20KText

Definition: Specifies a character string with a maximum length of 20 000 characters.

Type: Text

Format

minLength	1
maxLength	20000

45.2.9.36 Max20Text

Definition: Specifies a character string with a maximum length of 20 characters.

Type: Text

Format	
minLength	1
maxLength	20

45.2.9.37 Max210Text

Definition: Specifies a character string with a maximum length of 210 characters.
Type: Text

Format	
minLength	1
maxLength	210

45.2.9.38 Max23NumericText

Definition: Specifies a numeric string with a maximum length of 23 digits
Type: Text

Format	
pattern	[0-9]{1,23}

45.2.9.39 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.
Type: Text

Format	
minLength	1
maxLength	256

45.2.9.40 Max2NumericText

Definition: Specifies a numeric string with a maximum length of 2 digits.
Type: Text

Format	
pattern	[0-9]{1,2}

45.2.9.41 Max32HexBinaryText

Definition: Specifies a character string with a maximum length of 32 binary bytes (64 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.
Type: Text

Format		
pattern		([0-9A-F][0-9A-F]){1,32}

45.2.9.42 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.
Type: Text

Format		
minLength		1
maxLength		350

45.2.9.43 Max35NumericText

Definition: Specifies a numeric string with a maximum length of 35 digits.
Type: Text

Format		
pattern		[0-9]{1,35}

45.2.9.44 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.
Type: Text

Format		
minLength		1
maxLength		35

45.2.9.45 Max36Text

Definition: Specifies a character string with a maximum length of 37 characters.
Type: Text

Format		
minLength		1
maxLength		36

45.2.9.46 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.
Type: Text

Format		
minLength		1

maxLength	37
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45.2.9.47 Max3NumericText

Definition: Specifies a numeric string with a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{1,3}
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45.2.9.48 Max3Text

Definition: Specifies a character string with a maximum length of 3 characters.

Type: Text

Format

minLength	1
maxLength	3

45.2.9.49 Max4000Text

Definition: Specifies a character string with a maximum length of 4000 characters.

Type: Text

Format

minLength	1
maxLength	4000

45.2.9.50 Max40KText

Definition: Specifies a character string with a maximum length of 40 000 characters.

Type: Text

Format

minLength	1
maxLength	40000

45.2.9.51 Max40Text

Definition: Specifies a character string with a maximum length of 40 characters.

Type: Text

Format

minLength	1
maxLength	40

45.2.9.52 Max45Text

Definition: Specifies a character string with a maximum length of 45 characters.

Type: Text

Format

minLength	1
maxLength	45

45.2.9.53 Max48Text

Definition: Specifies a character string with a maximum length of 48 characters.

Type: Text

Format

minLength	1
maxLength	48

45.2.9.54 Max4AlphaNumericText

Definition: Specifies an alphanumeric string with a maximum length of 4 characters.

Type: Text

Format

minLength	1
maxLength	4
pattern	[a-zA-Z0-9]{1,4}

45.2.9.55 Max4NumericText

Definition: Specifies a numeric string with a maximum length of 4 digits.

Type: Text

Format

pattern	[0-9]{1,4}
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45.2.9.56 Max4Text

Definition: Specifies a character string with a maximum length of 4 characters.

Type: Text

Format

minLength	1
maxLength	4

45.2.9.57 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

minLength	1
maxLength	500

45.2.9.58 Max50Text

Definition: Specifies a character string with a maximum length of 50 characters.

Type: Text

Format

minLength	1
maxLength	50

45.2.9.59 Max512Text

Definition: Specifies a character string with a maximum length of 512 characters.

Type: Text

Format

minLength	1
maxLength	512

45.2.9.60 Max5NumericText

Definition: Specifies a numeric string with a maximum length of 5 digits.

Type: Text

Format

pattern	[0-9]{1,5}
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45.2.9.61 Max64Text

Definition: Specifies a character string with a maximum length of 64 characters.

Type: Text

Format

minLength	1
maxLength	64

45.2.9.62 Max6NumericText

Definition: Specifies a numeric string with a maximum length of 6 digits.

Type: Text

Format

pattern	[0-9]{1,6}
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45.2.9.63 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

minLength	1
maxLength	6

45.2.9.64 Max70Text

Definition: Specifies a character string with a maximum length of 70characters.

Type: Text

Format

minLength	1
maxLength	70

45.2.9.65 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

minLength	1
maxLength	76

45.2.9.66 Max8HexBinaryText

Definition: Specifies a character string with a maximum length of 8 binary bytes (16 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern	([0-9A-F][0-9A-F]){1,8}
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45.2.9.67 Max8NumericText

Definition: Specifies a numeric string with a maximum length of 8 digits.

Type: Text

Format

pattern	[0-9]{1,8}
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45.2.9.68 Max9999HexBinaryText

Definition: Specifies a character string with a maximum length of 9999 binary bytes (19998 hexadecimal text characters).

Used only for hex binary data only, supports only characters A-F and 0-9.

Type: Text

Format

pattern	([0-9A-F][0-9A-F]){1,9999}
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45.2.9.69 Max99Text

Definition: Specifies a character string with a maximum length of 99 characters.

Type: Text

Format

minLength	1
maxLength	99

45.2.9.70 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{2,3}
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45.2.9.71 Min5Max8Text

Definition: Specifies a character string with a minimum length of 5 characters, and a maximum length of 8 characters.

Type: Text

Format

minLength	5
maxLength	8

45.2.9.72 PhoneNumber

Definition: The collection of information which identifies a specific phone or FAX number as defined by telecom services.

It consists of a "+" followed by the country code (from 1 to 3 characters) then a "-" and finally, any combination of numbers, "(", ")", "+ and "-" (up to 30 characters).

Type: Text

Format

pattern \+[0-9]{1,3}-[0-9()+\-]{1,30}

45.2.10 Time

45.2.10.1 ISOTime

Definition: A particular point in the progression of time in a calendar day expressed in either UTC time format (hh:mm:ss.sssZ), local time with UTC offset format (hh:mm:ss.sss+/-hh:mm), or local time format (hh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Note on the time format:

1) beginning / end of calendar day

00:00:00 = the beginning of a calendar day

24:00:00 = the end of a calendar day

2) fractions of second in time format

Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.

Type: Time

45.2.11 YearMonth

45.2.11.1 ISOYearMonth

Definition: Month within a particular calendar year represented by YYYY-MM (ISO 8601).

Type: YearMonth