

ISO 20022

Acquirer to Issuer Card Messages - Version 2

Message Definition Report - Part 2

Approved by the Cards and Related Retail Financial Services SEG
on 18 May 2020

This document provides details of the Message Definitions for Acquirer to Issuer Card Messages - Version 2.

26 May 2020

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1 Message Set Overview

Introduction

Messages defined in an Acquirer to Issuer relationship.

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
caad.001.001.01 BatchManagementInitiationV01	<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.002.001.01 BatchManagementResponseV01	The BatchManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchManagementInitiation message.
caad.003.001.01 BatchTransferInitiationV01	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.004.001.01 BatchTransferResponseV01	The BatchTransferResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a BatchTransferInitiation message.
caad.005.001.02 ReconciliationInitiationV02	<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.006.001.02 ReconciliationResponseV02	The ReconciliationResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a ReconciliationInitiation message.
caad.007.001.02 ErrorV02	The Error message is sent by any party to any party (acquirer, agent or issuer) to indicate a message error.
cafc.001.001.01 FeeCollectionInitiationV01	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.002.001.01 FeeCollectionResponseV01	The FeeCollectionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FeeCollectionInitiation message.

MessageDefinition	Definition
cafm.001.001.01 FileActionInitiationV01	<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.002.001.01 FileActionResponseV01	A FileActionResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a FileActionInitiation message.
cafr.001.001.01 FraudReportingInitiationV01	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.002.001.01 FraudReportingResponseV01	A FraudReportingResponse message is sent by an agent (processor, agent) to an issuer or acquirer in response to a FraudReportingInitiation message.
cafr.003.001.01 FraudDispositionInitiationV01	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.004.001.01 FraudDispositionResponseV01	A FraudDispositionResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a FraudDispositionInitiation message.
cain.001.001.02 AuthorisationInitiationV02	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.002.001.02 AuthorisationResponseV02	The AuthorisationResponse message is sent by an issuer or an agent to an acquirer in response to an AuthorisationInitiation message.
cain.003.001.02 FinancialInitiationV02	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.
cain.004.001.02 FinancialResponseV02	The FinancialResponse message is sent by an issuer or an agent to an acquirer in response to a FinancialInitiation message.
cain.005.001.02 ReversalInitiationV02	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).

MessageDefinition	Definition
cain.006.001.02 ReversalResponseV02	The ReversalResponse message is sent by an issuer or an agent to an acquirer in response to a ReversalInitiation message.
cain.014.001.01 RetrievalFulfilmentInitiationV01	<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.015.001.01 RetrievalFulfilmentResponseV01	The RetrievalFulfilmentResponse message is sent by an issuer or acquirer to an agent (processor, agent) in response to a RetrievalFulfilmentInitiation message.
cain.016.001.01 InquiryInitiationV01	The InquiryInitiation message is sent by an acquirer or agent to an issuer to request information related to the card (e.g. about a cardholder, the availability of funds, etc.).
cain.017.001.01 InquiryResponseV01	The InquiryResponse message is sent by an issuer or an agent to an acquirer in response to an InquiryInitiation message.
cain.018.001.01 VerificationInitiationV01	<p>The VerificationInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). It conveys information to a receiver requiring verification or authentication.</p> <p>Examples of usages are: authentication of certificates, assurance levels of tokens, certificate management, address verification, account verification and cheque verification. It is also used to inform the receiver of a verification that has been completed on its behalf.</p>
cain.019.001.01 VerificationResponseV01	The VerificationResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a VerificationInitiation message.
cain.020.001.01 AmendmentV01	<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>
cain.021.001.01 RetrievalInitiationV01	The RetrievalInitiation message is sent by an issuer or agent to an acquirer to retrieve the original transaction details.

MessageDefinition	Definition
cain.022.001.01 RetrievalResponseV01	The RetrievalResponse message is sent by an acquirer to an issuer or agent in response to an RetrievalInitiation message.
cain.023.001.01 CardManagementInitiationV01	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.024.001.01 CardManagementResponseV01	The CardManagementResponse message is sent by an issuer or an agent to an acquirer in response to a CardManagementInitiation message.
cain.025.001.01 AddendumInitiationV01	<p>The AddendumInitiation message is sent by an acquirer or an agent to an issuer to provide supplemental data in addition to that which is required to complete an authorization initiation or financial initiation.</p> <p>The supplemental data is associated with an authorization or financial message.</p>
cain.026.001.01 AddendumResponseV01	The AddendumResponse message is sent by an issuer or an agent to an acquirer in response to an AddendumInitiation message.
cain.027.001.01 ChargeBackInitiationV01	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.028.001.01 ChargeBackResponseV01	The ChargeBackResponse message is sent by an acquirer or an agent to an issuer in response to an ChargeBackInitiation message.
canm.001.001.02 NetworkManagementInitiationV02	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.002.001.02 NetworkManagementResponseV02	The NetworkManagementResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a NetworkManagementInitiation message.
canm.003.001.02 KeyExchangeInitiationV02	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.004.001.02 KeyExchangeResponseV02	The KeyExchangeResponse message is sent by any party to any party (acquirer, agent or issuer) in response to a KeyExchangeInitiation message.
casr.001.001.01 SettlementReportingInitiationV01	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.

MessageDefinition	Definition
casr.002.001.01 SettlementReportingResponseV01	The SettlementReportingResponse message is sent by any party (acquirer, agent or issuer) to an agent in response to a SettlementReportingInitiation message.

2 caad.001.001.01 BatchManagementInitiationV01

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 BatchManagementInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the batch management.
- C. SecurityTrailer
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]	±		15
	Body <Body>	[1..1]			16
	Environment <Envt>	[1..1]			18
	Originator <Orgtr>	[0..1]	±		18
	Sender <Sndr>	[0..1]	±		18
	Receiver <Rcvr>	[0..1]	±		19
	Destination <Dstn>	[0..1]	±		19
	Context <Cntxt>	[0..1]			19
	TransactionContext <TxCntxt>	[0..1]			20
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		20
	Transaction <Tx>	[1..1]			20
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		21
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		22
	TransactionIdentification <TxId>	[0..1]	±		22
	AdditionalFees <AddtlFees>	[0..*]	±		23
	CollectionIdentification <ColltnId>	[0..1]	Text		23
	BatchIdentification <BtchId>	[0..1]	Text		24
	CollectionSize <ColltnSz>	[0..1]	Quantity		24
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		24
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		24
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		24
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		25
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		25
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		25
	BatchIdentificationList <BtchIdList>	[0..*]	Text		26
	CheckpointIdentification <ChckptId>	[0..1]	Text		26
	BatchChecksum <BtchChcksm>	[0..1]	Binary		26
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		26
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		26

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		27
	AdditionalData <AddtlData>	[0..*]			27
	Type <Tp>	[0..1]	Text		27
	Value <Val>	[0..1]	Text		27
	ProtectedData <PrctcdData>	[0..*]	±		27
	SupplementaryData <SplmtryData>	[0..*]	±	C1	30
	SecurityTrailer <SctyTrlr>	[0..1]	±		30

2.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

2.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

2.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header38" on page 1183 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1183
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1183
	ExchangeIdentification <XchgId>	[0..1]	Text		1184
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1184
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1184
	InitiatingParty <InitgPty>	[1..1]	±		1184
	RecipientParty <RcptPty>	[0..1]	±		1184
	TraceData <TracData>	[0..*]			1185
	Type <Tp>	[0..1]	Text		1185
	Value <Val>	[0..1]	Text		1185
	Traceability <Tracblt>	[0..*]	±		1185

2.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the batch management.

Body <Body> contains the following **BatchManagementInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			18
	Originator <Orgtr>	[0..1]	±		18
	Sender <Sndr>	[0..1]	±		18
	Receiver <Rcvr>	[0..1]	±		19
	Destination <Dstn>	[0..1]	±		19
	Context <Cntxt>	[0..1]			19
	TransactionContext <TxCntxt>	[0..1]			20
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		20
	Transaction <Tx>	[1..1]			20
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		21
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		22
	TransactionIdentification <Txld>	[0..1]	±		22
	AdditionalFees <AddtlFees>	[0..*]	±		23
	CollectionIdentification <Colltnld>	[0..1]	Text		23
	BatchIdentification <Btchld>	[0..1]	Text		24
	CollectionSize <ColltnSz>	[0..1]	Quantity		24
	OriginalCollectionIdentification <OrgnlColltnld>	[0..1]	Text		24
	OriginalBatchIdentification <OrgnlBtchld>	[0..1]	Text		24
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		24
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		25
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		25
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		25
	BatchIdentificationList <BtchldList>	[0..*]	Text		26
	CheckpointIdentification <Chckptld>	[0..1]	Text		26
	BatchChecksum <BtchChcksm>	[0..1]	Binary		26
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		26
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		26
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		27
	AdditionalData <AddtlData>	[0..*]			27
	Type <Tp>	[0..1]	Text		27

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[0..1]	Text		27
	ProtectedData <PrctcdData>	[0..*]	±		27
	SupplementaryData <SplmtryData>	[0..*]	±	C1	30

2.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		18
	Sender <Sndr>	[0..1]	±		18
	Receiver <Rcvr>	[0..1]	±		19
	Destination <Dstn>	[0..1]	±		19

2.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

2.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

2.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

2.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

2.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			20
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		20

2.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		20

2.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

2.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Batch management transaction.

Transaction <Tx> contains the following **Transaction95** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		21
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		22
	TransactionIdentification <TxId>	[0..1]	±		22
	AdditionalFees <AddtlFees>	[0..*]	±		23
	CollectionIdentification <ColltnId>	[0..1]	Text		23
	BatchIdentification <BtchId>	[0..1]	Text		24
	CollectionSize <ColltnSz>	[0..1]	Quantity		24
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		24
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		24
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		24
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		25
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		25
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		25
	BatchIdentificationList <BtchIdList>	[0..*]	Text		26
	CheckpointIdentification <ChckptId>	[0..1]	Text		26
	BatchChecksum <BtchChcksm>	[0..1]	Binary		26
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		26
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		26
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		27
	AdditionalData <AddtlData>	[0..*]			27
	Type <Tp>	[0..1]	Text		27
	Value <Val>	[0..1]	Text		27

2.4.2.3.1 BatchManagementType <BtchMgmtTp>

Presence: [1..1]

Definition: Type of batch management activity.

ISO 8583:87/93 bit 24

ISO 8583:2003 bit 68-1

Datatype: "BatchManagementType1Code" on page 1474

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).
OTHN	OtherNational	Any other type of batch management transaction defined at national level.
OTHP	OtherPrivate	Any other type of batch management transaction defined at private level.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

2.4.2.3.2 OtherBatchManagementType <OthrBtchMgmtTp>

Presence: [0..1]

Definition: Other type of batch management activity.

Datatype: "Max35Text" on page 1539

2.4.2.3.3 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the batch management transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

2.4.2.3.4 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

2.4.2.3.5 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 1541

2.4.2.3.6 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 1541

2.4.2.3.7 CollectionSize <ColltnSz>

Presence: [0..1]

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

ISO 8583:2003 bit 70-2

Datatype: "Number" on page 1532

2.4.2.3.8 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 1541

2.4.2.3.9 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 1541

2.4.2.3.10 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 1532

2.4.2.3.11 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages.

ISO 8583:87 bit 72

ISO 8583:2003 bit 70-1 or bit 69-1

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 1532

2.4.2.3.12 RemainingMessagesInCollection <RmngMsgsInColltn>

Presence: [0..1]

Definition: Number of remaining messages in the collection.

ISO 8583:2003 bit 70-3

Datatype: "Number" on page 1532

2.4.2.3.13 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 1536

2.4.2.3.14 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 1541

2.4.2.3.15 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 1541

2.4.2.3.16 BatchChecksum <BtchChcksm>

Presence: [0..1]

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

Datatype: "Max35Binary" on page 1452

2.4.2.3.17 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 1530):

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

2.4.2.3.18 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 1532

2.4.2.3.19 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 1530):

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

2.4.2.3.20 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		27
	Value <Val>	[0..1]	Text		27

2.4.2.3.20.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

2.4.2.3.20.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

2.4.2.4 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

2.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

2.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

3 caad.002.001.01 BatchManagementResponseV01

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 BatchManagementResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the batch management.
- C. SecurityTrailer
 - 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]	±		34
	Body <Body>	[1..1]			35
	Environment <Envt>	[1..1]			37
	Originator <Orgtr>	[0..1]	±		37
	Sender <Sndr>	[0..1]	±		37
	Receiver <Rcvr>	[0..1]	±		38
	Destination <Dstn>	[0..1]	±		38
	Context <Cntxt>	[0..1]			38
	TransactionContext <TxCntxt>	[0..1]			39
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		39
	Transaction <Tx>	[1..1]			39
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		40
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		41
	TransactionIdentification <TxId>	[0..1]	±		41
	AdditionalFees <AddtlFees>	[0..*]	±		42
	CollectionIdentification <ColltnId>	[0..1]	Text		42
	BatchIdentification <BtchId>	[0..1]	Text		43
	CollectionSize <ColltnSz>	[0..1]	Quantity		43
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		43
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		43
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		43
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		44
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		44
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		44
	BatchIdentificationList <BtchIdList>	[0..*]	Text		45
	CheckpointIdentification <ChckptId>	[0..1]	Text		45
	BatchChecksum <BtchChcksm>	[0..1]	Binary		45
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		45
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		45

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		46
	AdditionalData <AddtlData>	[0..*]			46
	Type <Tp>	[0..1]	Text		46
	Value <Val>	[0..1]	Text		46
	ProcessingResult <PrpgRsIt>	[1..1]	±		46
	ProtectedData <PrtctdData>	[0..*]	±		47
	SupplementaryData <SplmtryData>	[0..*]	±	C1	50
	SecurityTrailer <SctyTrlr>	[0..1]	±		50

3.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header38" on page 1183 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1183
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1183
	ExchangeIdentification <XchgId>	[0..1]	Text		1184
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1184
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1184
	InitiatingParty <InitgPty>	[1..1]	±		1184
	RecipientParty <RcptPty>	[0..1]	±		1184
	TraceData <TracData>	[0..*]			1185
	Type <Tp>	[0..1]	Text		1185
	Value <Val>	[0..1]	Text		1185
	Traceability <Tracblt>	[0..*]	±		1185

3.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the batch management.

Body <Body> contains the following BatchManagementResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			37
	Originator <Orgtr>	[0..1]	±		37
	Sender <Sndr>	[0..1]	±		37
	Receiver <Rcvr>	[0..1]	±		38
	Destination <Dstn>	[0..1]	±		38
	Context <Cntxt>	[0..1]			38
	TransactionContext <TxCntxt>	[0..1]			39
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		39
	Transaction <Tx>	[1..1]			39
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		40
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		41
	TransactionIdentification <Txld>	[0..1]	±		41
	AdditionalFees <AddtlFees>	[0..*]	±		42
	CollectionIdentification <Colltnld>	[0..1]	Text		42
	BatchIdentification <Btchld>	[0..1]	Text		43
	CollectionSize <ColltnSz>	[0..1]	Quantity		43
	OriginalCollectionIdentification <OrgnlColltnld>	[0..1]	Text		43
	OriginalBatchIdentification <OrgnlBtchld>	[0..1]	Text		43
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		43
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		44
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		44
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		44
	BatchIdentificationList <BtchldList>	[0..*]	Text		45
	CheckpointIdentification <Chckptld>	[0..1]	Text		45
	BatchChecksum <BtchChcksm>	[0..1]	Binary		45
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		45
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		45
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		46
	AdditionalData <AddtlData>	[0..*]			46
	Type <Tp>	[0..1]	Text		46

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[0..1]	Text		46
	ProcessingResult <PrcgRslt>	[1..1]	±		46
	ProtectedData <PrctcdData>	[0..*]	±		47
	SupplementaryData <SplmtryData>	[0..*]	±	C1	50

3.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the batch management transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		37
	Sender <Sndr>	[0..1]	±		37
	Receiver <Rcvr>	[0..1]	±		38
	Destination <Dstn>	[0..1]	±		38

3.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

3.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

3.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

3.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

3.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			39
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		39

3.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		39

3.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

3.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Details about the batch management transaction.

Transaction <Tx> contains the following **Transaction95** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BatchManagementType <BtchMgmtTp>	[1..1]	CodeSet		40
	OtherBatchManagementType <OthrBtchMgmtTp>	[0..1]	Text		41
	TransactionIdentification <TxId>	[0..1]	±		41
	AdditionalFees <AddtlFees>	[0..*]	±		42
	CollectionIdentification <ColltnId>	[0..1]	Text		42
	BatchIdentification <BtchId>	[0..1]	Text		43
	CollectionSize <ColltnSz>	[0..1]	Quantity		43
	OriginalCollectionIdentification <OrgnlColltnId>	[0..1]	Text		43
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		43
	NumberOfBatchesInCollection <NbOfBtchsInColltn>	[0..1]	Quantity		43
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		44
	RemainingMessagesInCollection <RmngMsgsInColltn>	[0..1]	Quantity		44
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		44
	BatchIdentificationList <BtchIdList>	[0..*]	Text		45
	CheckpointIdentification <ChckptId>	[0..1]	Text		45
	BatchChecksum <BtchChcksm>	[0..1]	Binary		45
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		45
	MessagesBeforeAcknowledgement <MsgsBfrAck>	[0..1]	Quantity		45
	PositiveAcknowledgement <PostvAck>	[0..1]	Indicator		46
	AdditionalData <AddtlData>	[0..*]			46
	Type <Tp>	[0..1]	Text		46
	Value <Val>	[0..1]	Text		46

3.4.2.3.1 BatchManagementType <BtchMgmtTp>

Presence: [1..1]

Definition: Type of batch management activity.

ISO 8583:87/93 bit 24

ISO 8583:2003 bit 68-1

Datatype: "BatchManagementType1Code" on page 1474

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).
OTHN	OtherNational	Any other type of batch management transaction defined at national level.
OTHP	OtherPrivate	Any other type of batch management transaction defined at private level.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

3.4.2.3.2 OtherBatchManagementType <OthrBtchMgmtTp>

Presence: [0..1]

Definition: Other type of batch management activity.

Datatype: "Max35Text" on page 1539

3.4.2.3.3 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the batch management transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

3.4.2.3.4 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

3.4.2.3.5 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 1541

3.4.2.3.6 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 1541

3.4.2.3.7 CollectionSize <ColltnSz>

Presence: [0..1]

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

ISO 8583:2003 bit 70-2

Datatype: "Number" on page 1532

3.4.2.3.8 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 1541

3.4.2.3.9 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 1541

3.4.2.3.10 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 1532

3.4.2.3.11 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages.

ISO 8583:87 bit 72

ISO 8583:2003 bit 70-1 or bit 69-1

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 1532

3.4.2.3.12 RemainingMessagesInCollection <RmngMsgsInColltn>

Presence: [0..1]

Definition: Number of remaining messages in the collection.

ISO 8583:2003 bit 70-3

Datatype: "Number" on page 1532

3.4.2.3.13 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 1536

3.4.2.3.14 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 1541

3.4.2.3.15 CheckpointIdentification <ChckptId>

Presence: [0..1]

Definition: Identification of a specific checkpoint.

Datatype: "Max70Text" on page 1541

3.4.2.3.16 BatchChecksum <BtchChcksm>

Presence: [0..1]

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

Datatype: "Max35Binary" on page 1452

3.4.2.3.17 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 1530):

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

3.4.2.3.18 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 1532

3.4.2.3.19 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 1530):

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

3.4.2.3.20 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		46
	Value <Val>	[0..1]	Text		46

3.4.2.3.20.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

3.4.2.3.20.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

3.4.2.4 ProcessingResult <PrcgRsIt>

Presence: [1..1]

Definition: Outcome of the processing.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult3" on page 1417 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsItData>	[1..1]	±		1417
	OriginalResultData <OrgnlRsItData>	[0..1]	±		1418

3.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

3.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

3.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

4 caad.003.001.01 BatchTransferInitiationV01

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 BatchTransferInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the batch transfer.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

4.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <BtchTrflInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		56
	Body <Body>	[1..1]			56
	Environment <Envnt>	[1..1]			59
	Originator <Orgtr>	[0..1]	±		59
	Destination <Dstn>	[1..1]	±		60
	Context <Cntxt>	[0..1]			60
	TransactionContext <TxCntxt>	[0..1]			60
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		60
	Transaction <Tx>	[1..1]			61
	TransactionIdentification <TxId>	[0..1]	±		64
	BatchIdentification <BtchId>	[0..1]	Text		64
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		65
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		65
	BatchChecksum <BtchChcksm>	[0..1]	Binary		65
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		65
	ClearingBatchData <ClrBtchData>	[0..*]			66
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		66
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		66
	ClearingPriority <ClrPrty>	[0..1]	Text		67
	ClearingDate <ClrDt>	[0..1]	Date		67
	ClearingTotals <ClrTtls>	[0..1]			67
	Count <Cnt>	[1..1]	Quantity		67
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		67
	InterchangeFee <IntrchnngFee>	[0..1]	±		67
	AgentFee <AgtFee>	[0..1]	±		68
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			68
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		68
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		68
	AgentData <AgtData>	[0..*]			69

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		69
	Target <Trgt>	[0..*]	CodeSet		69
	Format <Frmt>	[0..1]	CodeSet		70
	Value <Val>	[1..1]	Text		70
	Record <Rcrd>	[0..*]			70
	SequenceCounter <SeqCntr>	[1..1]	Quantity		72
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		72
	ClearingRecordData <ClrRcrdData>	[0..1]	±		72
	RecordMessage <RcrdMsg>	[1..1]			73
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		75
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		75
Or	Amendment <Amdmnt>	[1..1]	Binary		75
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		75
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		75
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		75
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		76
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		76
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		76
Or	Error <Err>	[1..1]	Binary		76
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		76
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		76
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		76
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		76
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		76
Or	FinancialResponse <FinRspn>	[1..1]	Binary		77
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		77
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		77
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		77
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		77
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		77
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		77

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		77
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		78
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		78
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		78
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		78
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		78
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		78
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		78
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>	[1..1]	Binary		78
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		78
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		79
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		79
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		79
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		79
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		79
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		79
	AdditionalData <AddtlData>	[0..*]			79
	Type <Tp>	[0..1]	Text		80
	Value <Val>	[0..1]	Text		80
	ProcessingResult <PrcgRslt>	[0..1]	±		80
	ProtectedData <PrctcdData>	[0..*]	±		80
	SupplementaryData <SplmtryData>	[0..*]	±	C1	83
	SecurityTrailer <SctyTrlr>	[0..1]	±		83

4.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <Xchgld>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

4.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the batch transfer.

Body <Body> contains the following BatchTransferInitiation1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			59
	Originator <Orgtr>	[0..1]	±		59
	Destination <Dstr>	[1..1]	±		60
	Context <Cntxt>	[0..1]			60
	TransactionContext <TxCntxt>	[0..1]			60
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		60
	Transaction <Tx>	[1..1]			61
	TransactionIdentification <TxId>	[0..1]	±		64
	BatchIdentification <BtchId>	[0..1]	Text		64
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		65
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		65
	BatchChecksum <BtchChcksm>	[0..1]	Binary		65
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		65
	ClearingBatchData <ClrBtchData>	[0..*]			66
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		66
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		66
	ClearingPriority <ClrPrty>	[0..1]	Text		67
	ClearingDate <ClrDt>	[0..1]	Date		67
	ClearingTotals <ClrTtls>	[0..1]			67
	Count <Cnt>	[1..1]	Quantity		67
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		67
	InterchangeFee <IntrchgFee>	[0..1]	±		67
	AgentFee <AgtFee>	[0..1]	±		68
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			68
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		68
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		68
	AgentData <AgtData>	[0..*]			69
	Recipient <Rcpt>	[0..1]	CodeSet		69
	Target <Trgt>	[0..*]	CodeSet		69
	Format <Frmt>	[0..1]	CodeSet		70
	Value <Val>	[1..1]	Text		70

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Record <Rcrd>	[0..*]			70
	SequenceCounter <SeqCntr>	[1..1]	Quantity		72
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		72
	ClearingRecordData <ClrRcrdData>	[0..1]	±		72
	RecordMessage <RcrdMsg>	[1..1]			73
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		75
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		75
Or	Amendment <Amdmnt>	[1..1]	Binary		75
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		75
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		75
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		75
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		76
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		76
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		76
Or	Error <Err>	[1..1]	Binary		76
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		76
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		76
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		76
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		76
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		76
Or	FinancialResponse <FinRspn>	[1..1]	Binary		77
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		77
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		77
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		77
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		77
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		77
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		77
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		77
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		78
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		78
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		78

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReconciliationInitiation <RcncltnInlt>	[1..1]	Binary		78
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		78
Or	RetrievalInitiation <RtrvlInlt>	[1..1]	Binary		78
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		78
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInlt>	[1..1]	Binary		78
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		78
Or	ReversalInitiation <RvslInlt>	[1..1]	Binary		79
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		79
Or	SettlementReportingInitiation <SttlmRptgInlt>	[1..1]	Binary		79
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		79
Or	VerificationInitiation <VrfctnInlt>	[1..1]	Binary		79
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		79
	AdditionalData <AddtlData>	[0..*]			79
	Type <Tp>	[0..1]	Text		80
	Value <Val>	[0..1]	Text		80
	ProcessingResult <PrccgRslt>	[0..1]	±		80
	ProtectedData <PrctcdData>	[0..*]	±		80
	SupplementaryData <SplmtryData>	[0..*]	±	C1	83

4.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the message.

Environment <Envt> contains the following **Environment4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		59
	Destination <Dstn>	[1..1]	±		60

4.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Originator of the message.

Originator <Orgtr> contains the following elements (see "Originator1" on page 1239 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1239
	Assigner <Assgnr>	[0..1]	Text		1239
	Country <Ctry>	[0..1]	CodeSet		1239
	ShortName <ShrtNm>	[0..1]	Text		1240

4.4.2.1.2 Destination <Dstn>

Presence: [1..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "Destination1" on page 1240 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1240
	Assigner <Assgnr>	[0..1]	Text		1240
	Country <Ctry>	[0..1]	CodeSet		1240
	ShortName <ShrtNm>	[0..1]	Text		1240

4.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			60
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		60

4.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		60

4.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

4.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Batch transfer transaction.

Transaction <Tx> contains the following **Transaction96** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[0..1]	±		64
	BatchIdentification <BtchId>	[0..1]	Text		64
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		65
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		65
	BatchChecksum <BtchChcksm>	[0..1]	Binary		65
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		65
	ClearingBatchData <ClrBtchData>	[0..*]			66
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		66
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		66
	ClearingPriority <ClrPrty>	[0..1]	Text		67
	ClearingDate <ClrDt>	[0..1]	Date		67
	ClearingTotals <ClrTtls>	[0..1]			67
	Count <Cnt>	[1..1]	Quantity		67
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		67
	InterchangeFee <IntrchgngFee>	[0..1]	±		67
	AgentFee <AgtFee>	[0..1]	±		68
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			68
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		68
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		68
	AgentData <AgtData>	[0..*]			69
	Recipient <Rcpt>	[0..1]	CodeSet		69
	Target <Trgt>	[0..*]	CodeSet		69
	Format <Frmt>	[0..1]	CodeSet		70
	Value <Val>	[1..1]	Text		70
	Record <Rcrd>	[0..*]			70
	SequenceCounter <SeqCntr>	[1..1]	Quantity		72
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		72
	ClearingRecordData <ClrRcrdData>	[0..1]	±		72
	RecordMessage <RcrdMsg>	[1..1]			73
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		75
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		75

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	Amendment <Amdmnt>	[1..1]	Binary		75
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		75
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		75
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		75
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		76
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		76
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		76
Or	Error <Err>	[1..1]	Binary		76
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		76
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		76
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		76
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		76
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		76
Or	FinancialResponse <FinRspn>	[1..1]	Binary		77
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		77
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		77
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		77
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		77
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		77
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		77
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		77
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		78
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		78
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		78
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		78
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		78
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		78
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		78
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>	[1..1]	Binary		78
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		78
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		79

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		79
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		79
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		79
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		79
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		79
	AdditionalData <AddtlData>	[0..*]			79
	Type <Tp>	[0..1]	Text		80
	Value <Val>	[0..1]	Text		80

4.4.2.3.1 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the batch management transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

4.4.2.3.2 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 1541

4.4.2.3.3 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 1541

4.4.2.3.4 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 1532

4.4.2.3.5 BatchChecksum <BtchChcksm>

Presence: [0..1]

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

Datatype: "Max35Binary" on page 1452

4.4.2.3.6 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 1530):

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

4.4.2.3.7 ClearingBatchData <ClrBtchData>

Presence: [0..*]

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

ClearingBatchData <ClrBtchData> contains the following **ClearingBatchData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		66
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		66
	ClearingPriority <ClrPrty>	[0..1]	Text		67
	ClearingDate <ClrDt>	[0..1]	Date		67
	ClearingTotals <ClrTtls>	[0..1]			67
	Count <Cnt>	[1..1]	Quantity		67
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		67
	InterchangeFee <IntrchnngFee>	[0..1]	±		67
	AgentFee <AgtFee>	[0..1]	±		68

4.4.2.3.7.1 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing method used.

Datatype: "ClearingMethod2Code" on page 1480

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
OTHN	OtherNational	Other type of clearing method defined at national level.
OTHP	OtherPrivate	Other type of clearing method defined at private level.
RLTM	RealTime	Clearing done in real time.

4.4.2.3.7.2 OtherClearingMethod <OthrClrMtd>

Presence: [0..1]

Definition: Other type of clearing method.

Datatype: "Max35Text" on page 1539

4.4.2.3.7.3 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1539

4.4.2.3.7.4 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1530

4.4.2.3.7.5 ClearingTotals <ClrTtls>

Presence: [0..1]

Definition: Clearing totals of the batch file.

ClearingTotals <ClrTtls> contains the following **ClearingTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[1..1]	Quantity		67
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		67

4.4.2.3.7.5.1 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions to clear.

Datatype: "Number" on page 1532

4.4.2.3.7.5.2 AccumulatedAmount <AcmltdAmt>

Presence: [1..1]

Definition: Gross clearing accumulated amount.

AccumulatedAmount <AcmltdAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

4.4.2.3.7.6 InterchangeFee <IntrchgFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchgngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

4.4.2.3.7.7 AgentFee <AgtFee>

Presence: [0..1]

Definition: Fee of the agent.

AgentFee <AgtFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

4.4.2.3.8 ClearingControlTotals <ClrCtrlTtls>

Presence: [0..1]

Definition: Gross amount clearing totals.

ClearingControlTotals <ClrCtrlTtls> contains the following **ClearingControlTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		68
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		68

4.4.2.3.8.1 ClearingControlCount <ClrCtrlCnt>

Presence: [1..1]

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

Datatype: "Number" on page 1532

4.4.2.3.8.2 ClearingControlAmount <ClrCtrlAmt>

Presence: [1..1]

Definition: Gross accumulated amount of clearing. To be used for control purpose.

ClearingControlAmount <ClrCtrlAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

4.4.2.3.9 AgentData <AgtData>

Presence: [0..*]

Definition: Information or instructions relevant for the agent in charge of the clearing.

AgentData <AgtData> contains the following **AdditionalInformation21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		69
	Target <Trgt>	[0..*]	CodeSet		69
	Format <Frmt>	[0..1]	CodeSet		70
	Value <Val>	[1..1]	Text		70

4.4.2.3.9.1 Recipient <Rcpt>

Presence: [0..1]

Definition: Recipient of the additional information to display, print, send or store.

Datatype: "PartyType23Code" on page 1507

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
CLRA	ClearingAgent	Agent in charge of clearing payment or related transactions.

4.4.2.3.9.2 Target <Trgt>

Presence: [0..*]

Definition: Target of the additional information to print, display, send or store.

Datatype: "UserInterface7Code" on page 1528

CodeName	Name	Definition
OCAI	OtherClearingAgentInterface	Data dedicated to another interface maintained by the clearing agent.
CLRL	ClearingAgentLog	Data dedicated to a log maintained by the clearing agent.

CodeName	Name	Definition
CLRA	ClearingAgentApplication	Data dedicated to an application maintained by a clearing agent.

4.4.2.3.9.3 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1504

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
OTHN	OtherNational	Other type of output of message defined at national level.
OTHP	OtherPrivate	Other type of output format defined at private level.
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.

4.4.2.3.9.4 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1537

4.4.2.3.10 Record <Rcrd>

Presence: [0..*]

Definition: Record in batch.

Record <Rcrd> contains the following **Record1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[1..1]	Quantity		72
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		72
	ClearingRecordData <ClrRcrdData>	[0..1]	±		72
	RecordMessage <RcrdMsg>	[1..1]			73
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		75
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		75
Or	Amendment <Amdmnt>	[1..1]	Binary		75
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		75
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		75
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		75
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		76
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		76
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		76
Or	Error <Err>	[1..1]	Binary		76
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		76
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		76
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		76
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		76
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		76
Or	FinancialResponse <FinRspn>	[1..1]	Binary		77
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		77
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		77
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		77
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		77
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		77
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		77
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		77
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		78
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		78
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		78
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		78

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		78
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		78
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		78
Or	RetrievalFulfilmentInitiation <RtrvlFifmtlInitn>	[1..1]	Binary		78
Or	RetrievalFulfilmentResponse <RtrvlFifmtlRspn>	[1..1]	Binary		78
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		79
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		79
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		79
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		79
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		79
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		79

4.4.2.3.10.1 SequenceCounter <SeqCntr>

Presence: [1..1]

Definition: Sequence counter of the record from 1 to n

Datatype: "Number" on page 1532

4.4.2.3.10.2 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 1452

4.4.2.3.10.3 ClearingRecordData <ClrRcrdData>

Presence: [0..1]

Definition: Information used with financial type of messages when third-party clearing is involved.

ClearingRecordData <ClrRcrdData> contains the following elements (see "ClearingRecordData1" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		872
	Destination <Dstr>	[0..1]	±		872
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		873
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		873
	ClearingPriority <ClrPrty>	[0..1]	Text		873
	ClearingDate <ClrDt>	[0..1]	Date		873
	ClearingAmount <ClrAmt>	[0..1]	±		873
	InterchangeFee <IntrchgFee>	[0..1]	±		874
	AgentFee <AgtFee>	[0..1]	±		874
	OtherAmount <OthrAmt>	[0..1]			874
	ClearingCount <ClrCnt>	[1..1]	Quantity		875
	ClearingAmount <ClrAmt>	[1..1]	±		875
	InterchangeFee <IntrchgFee>	[0..1]	±		875
	AgentFee <AgtFee>	[0..1]	±		875

4.4.2.3.10.4 RecordMessage <RcrdMsg>

Presence: [1..1]

Definition: Message to be sent in a batch transfer as a record.

RecordMessage <RcrdMsg> contains one of the following **RecordMessage1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		75
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		75
Or	Amendment <Amdmnt>	[1..1]	Binary		75
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		75
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		75
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		75
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		76
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		76
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		76
Or	Error <Err>	[1..1]	Binary		76
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		76
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		76
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		76
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		76
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		76
Or	FinancialResponse <FinRspn>	[1..1]	Binary		77
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		77
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		77
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		77
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		77
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		77
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		77
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		77
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		78
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		78
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		78
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		78
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		78
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		78
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		78
Or	RetrievalFulfilmentInitiation <RtrvlFlfmltInitn>	[1..1]	Binary		78

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	RetrievalFulfilmentResponse <RtrvFlfmltRspn>	[1..1]	Binary		78
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		79
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		79
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		79
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		79
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		79
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		79

4.4.2.3.10.4.1 AddendumInitiation <AdddmInitn>

Presence: [1..1]

Definition: Addendum initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.2 AddendumResponse <AdddmRspn>

Presence: [1..1]

Definition: Addendum response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.3 Amendment <Amdmnt>

Presence: [1..1]

Definition: Amendment message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.4 AuthorisationInitiation <AuthstnInitn>

Presence: [1..1]

Definition: Authorisation initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.5 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Authorisation response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.6 CardManagementInitiation <CardMgmtInitn>

Presence: [1..1]

Definition: Card management initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.7 CardManagementResponse <CardMgmtRspn>

Presence: [1..1]

Definition: Card management response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.8 ChargeBackInitiation <ChrgBckInittn>

Presence: [1..1]

Definition: Chargeback initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.9 ChargeBackResponse <ChrgBckRspn>

Presence: [1..1]

Definition: Chargeback response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.10 Error <Err>

Presence: [1..1]

Definition: Error message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.11 FeeCollectionInitiation <FeeColltnInittn>

Presence: [1..1]

Definition: Fee collection initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.12 FeeCollectionResponse <FeeColltnRspn>

Presence: [1..1]

Definition: Fee collection response message record

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.13 FileActionInitiation <FileActnInittn>

Presence: [1..1]

Definition: File action initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.14 FileActionResponse <FileActnRspn>

Presence: [1..1]

Definition: File action response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.15 FinancialInitiation <FinInittn>

Presence: [1..1]

Definition: Financial initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.16 FinancialResponse <FinRspn>

Presence: [1..1]

Definition: Financial response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.17 FraudDispositionInitiation <FrdDspstnInitn>

Presence: [1..1]

Definition: Fraud disposition initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.18 FraudDispositionResponse <FrdDspstnRspn>

Presence: [1..1]

Definition: Fraud disposition response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.19 FraudReportingInitiation <FrdRptgInitn>

Presence: [1..1]

Definition: Fraud reporting initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.20 FraudReportingResponse <FrdRptgRspn>

Presence: [1..1]

Definition: Fraud reporting response record message.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.21 InquiryInitiation <NqryInitn>

Presence: [1..1]

Definition: Inquiry initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.22 InquiryResponse <NqryRspn>

Presence: [1..1]

Definition: Inquiry response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.23 KeyExchangeInitiation <KeyXchgInitn>

Presence: [1..1]

Definition: Key exchange initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.24 KeyExchangeResponse <KeyXchgRspn>

Presence: [1..1]

Definition: Key exchange response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.25 NetworkManagementInitiation <NtwkMgmtInitn>

Presence: [1..1]

Definition: Network management initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.26 NetworkManagementResponse <NtwkMgmtRspn>

Presence: [1..1]

Definition: Network management response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.27 ReconciliationInitiation <RcncltnInitn>

Presence: [1..1]

Definition: Reconciliation initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.28 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Reconciliation response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.29 RetrievalInitiation <RtrvlInitn>

Presence: [1..1]

Definition: Retrieval initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.30 RetrievalResponse <RtrvlRspn>

Presence: [1..1]

Definition: Retrieval response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.31 RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>

Presence: [1..1]

Definition: Retrieval fulfilment initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.32 RetrievalFulfilmentResponse <RtrvlFlfmtRspn>

Presence: [1..1]

Definition: Retrieval fulfilment response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.33 ReversalInitiation <RvslInitn>

Presence: [1..1]

Definition: Reversal initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.34 ReversalResponse <RvslRspn>

Presence: [1..1]

Definition: Reversal response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.35 SettlementReportingInitiation <SttlmRptgInitn>

Presence: [1..1]

Definition: Settlement reporting initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.36 SettlementReportingResponse <SttlmRptgRspn>

Presence: [1..1]

Definition: Settlement reporting response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.37 VerificationInitiation <VrfctnInitn>

Presence: [1..1]

Definition: Verification initiation message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.10.4.38 VerificationResponse <VrfctnRspn>

Presence: [1..1]

Definition: Verification response message record.

Datatype: "Max2MBBinary" on page 1452

4.4.2.3.11 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		80
	Value <Val>	[0..1]	Text		80

4.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

4.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

4.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1417 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[1..1]	±		1417
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1418

4.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

4.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

4.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

5 caad.004.001.01 BatchTransferResponseV01

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 BatchTransferResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the batch transfer.
- C. 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]	±		89
	Body <Body>	[1..1]			89
	Environment <Envnt>	[1..1]			92
	Originator <Orgtr>	[0..1]	±		92
	Destination <Dstn>	[1..1]	±		93
	Context <Cntxt>	[0..1]			93
	TransactionContext <TxCntxt>	[0..1]			93
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		93
	Transaction <Tx>	[1..1]			94
	TransactionIdentification <TxId>	[0..1]	±		97
	BatchIdentification <BtchId>	[0..1]	Text		97
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		98
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		98
	BatchChecksum <BtchChcksm>	[0..1]	Binary		98
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		98
	ClearingBatchData <ClrBtchData>	[0..*]			99
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		99
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		99
	ClearingPriority <ClrPrty>	[0..1]	Text		100
	ClearingDate <ClrDt>	[0..1]	Date		100
	ClearingTotals <ClrTtls>	[0..1]			100
	Count <Cnt>	[1..1]	Quantity		100
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		100
	InterchangeFee <IntrchnngFee>	[0..1]	±		100
	AgentFee <AgtFee>	[0..1]	±		101
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			101
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		101
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		101
	AgentData <AgtData>	[0..*]			102

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		102
	Target <Trgt>	[0..*]	CodeSet		102
	Format <Frmt>	[0..1]	CodeSet		103
	Value <Val>	[1..1]	Text		103
	Record <Rcrd>	[0..*]			103
	SequenceCounter <SeqCntr>	[1..1]	Quantity		105
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		105
	ClearingRecordData <ClrRcrdData>	[0..1]	±		105
	RecordMessage <RcrdMsg>	[1..1]			106
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		108
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		108
Or	Amendment <Amdmnt>	[1..1]	Binary		108
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		108
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		108
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		108
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		109
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		109
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		109
Or	Error <Err>	[1..1]	Binary		109
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		109
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		109
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		109
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		109
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		109
Or	FinancialResponse <FinRspn>	[1..1]	Binary		110
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		110
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		110
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		110
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		110
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		110
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		110

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		110
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		111
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		111
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		111
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		111
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		111
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		111
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		111
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>	[1..1]	Binary		111
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		111
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		112
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		112
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		112
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		112
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		112
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		112
	AdditionalData <AddtlData>	[0..*]			112
	Type <Tp>	[0..1]	Text		113
	Value <Val>	[0..1]	Text		113
	ProcessingResult <PrcgRslt>	[1..1]	±		113
	ProtectedData <PrctcdData>	[0..*]	±		113
	SupplementaryData <SplmtryData>	[0..*]	±	C1	116
	SecurityTrailer <SctyTrlr>	[0..1]	±		116

5.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <Xchgld>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

5.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the batch transfer.

Body <Body> contains the following **BatchTransferResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			92
	Originator <Orgtr>	[0..1]	±		92
	Destination <Dstn>	[1..1]	±		93
	Context <Cntxt>	[0..1]			93
	TransactionContext <TxCntxt>	[0..1]			93
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		93
	Transaction <Tx>	[1..1]			94
	TransactionIdentification <TxId>	[0..1]	±		97
	BatchIdentification <BtchId>	[0..1]	Text		97
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		98
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		98
	BatchChecksum <BtchChcksm>	[0..1]	Binary		98
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		98
	ClearingBatchData <ClrBtchData>	[0..*]			99
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		99
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		99
	ClearingPriority <ClrPrty>	[0..1]	Text		100
	ClearingDate <ClrDt>	[0..1]	Date		100
	ClearingTotals <ClrTtls>	[0..1]			100
	Count <Cnt>	[1..1]	Quantity		100
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		100
	InterchangeFee <IntrchnngFee>	[0..1]	±		100
	AgentFee <AgtFee>	[0..1]	±		101
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			101
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		101
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		101
	AgentData <AgtData>	[0..*]			102
	Recipient <Rcpt>	[0..1]	CodeSet		102
	Target <Trgt>	[0..*]	CodeSet		102
	Format <Frmt>	[0..1]	CodeSet		103
	Value <Val>	[1..1]	Text		103

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Record <Rcrd>	[0..*]			103
	SequenceCounter <SeqCntr>	[1..1]	Quantity		105
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		105
	ClearingRecordData <ClrRcrdData>	[0..1]	±		105
	RecordMessage <RcrdMsg>	[1..1]			106
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		108
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		108
Or	Amendment <Amdmnt>	[1..1]	Binary		108
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		108
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		108
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		108
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		109
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		109
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		109
Or	Error <Err>	[1..1]	Binary		109
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		109
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		109
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		109
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		109
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		109
Or	FinancialResponse <FinRspn>	[1..1]	Binary		110
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		110
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		110
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		110
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		110
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		110
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		110
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		110
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		111
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		111
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReconciliationInitiation <RcncltnInlt>	[1..1]	Binary		111
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		111
Or	RetrievalInitiation <RtrvlInlt>	[1..1]	Binary		111
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		111
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInlt>	[1..1]	Binary		111
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		111
Or	ReversalInitiation <RvslInlt>	[1..1]	Binary		112
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		112
Or	SettlementReportingInitiation <SttlmRptgInlt>	[1..1]	Binary		112
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		112
Or	VerificationInitiation <VrfctnInlt>	[1..1]	Binary		112
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		112
	AdditionalData <AddtlData>	[0..*]			112
	Type <Tp>	[0..1]	Text		113
	Value <Val>	[0..1]	Text		113
	ProcessingResult <PrccgRslt>	[1..1]	±		113
	ProtectedData <PrctcdData>	[0..*]	±		113
	SupplementaryData <SplmtryData>	[0..*]	±	C1	116

5.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the message.

Environment <Envt> contains the following **Environment4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		92
	Destination <Dstn>	[1..1]	±		93

5.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Originator of the message.

Originator <Orgtr> contains the following elements (see "Originator1" on page 1239 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1239
	Assigner <Assgnr>	[0..1]	Text		1239
	Country <Ctry>	[0..1]	CodeSet		1239
	ShortName <ShrtNm>	[0..1]	Text		1240

5.4.2.1.2 Destination <Dstn>

Presence: [1..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "Destination1" on page 1240 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1240
	Assigner <Assgnr>	[0..1]	Text		1240
	Country <Ctry>	[0..1]	CodeSet		1240
	ShortName <ShrtNm>	[0..1]	Text		1240

5.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			93
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		93

5.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		93

5.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

5.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Batch transfer transaction.

Transaction <Tx> contains the following **Transaction96** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[0..1]	±		97
	BatchIdentification <BtchId>	[0..1]	Text		97
	OriginalBatchIdentification <OrgnlBtchId>	[0..1]	Text		98
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		98
	BatchChecksum <BtchChcksm>	[0..1]	Binary		98
	RequestAcknowledgement <ReqAck>	[0..1]	Indicator		98
	ClearingBatchData <ClrBtchData>	[0..*]			99
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		99
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		99
	ClearingPriority <ClrPrty>	[0..1]	Text		100
	ClearingDate <ClrDt>	[0..1]	Date		100
	ClearingTotals <ClrTtls>	[0..1]			100
	Count <Cnt>	[1..1]	Quantity		100
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		100
	InterchangeFee <IntrchgngFee>	[0..1]	±		100
	AgentFee <AgtFee>	[0..1]	±		101
	ClearingControlTotals <ClrCtrlTtls>	[0..1]			101
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		101
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		101
	AgentData <AgtData>	[0..*]			102
	Recipient <Rcpt>	[0..1]	CodeSet		102
	Target <Trgt>	[0..*]	CodeSet		102
	Format <Frmt>	[0..1]	CodeSet		103
	Value <Val>	[1..1]	Text		103
	Record <Rcrd>	[0..*]			103
	SequenceCounter <SeqCntr>	[1..1]	Quantity		105
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		105
	ClearingRecordData <ClrRcrdData>	[0..1]	±		105
	RecordMessage <RcrdMsg>	[1..1]			106
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		108
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		108

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	Amendment <Amdmnt>	[1..1]	Binary		108
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		108
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		108
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		108
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		109
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		109
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		109
Or	Error <Err>	[1..1]	Binary		109
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		109
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		109
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		109
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		109
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		109
Or	FinancialResponse <FinRspn>	[1..1]	Binary		110
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		110
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		110
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		110
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		110
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		110
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		110
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		110
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		111
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		111
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		111
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		111
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		111
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		111
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		111
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtInitn>	[1..1]	Binary		111
Or	RetrievalFulfilmentResponse <RtrvlFlfmtRspn>	[1..1]	Binary		111
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		112

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		112
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		112
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		112
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		112
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		112
	AdditionalData <AddtlData>	[0..*]			112
	Type <Tp>	[0..1]	Text		113
	Value <Val>	[0..1]	Text		113

5.4.2.3.1 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the batch management transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

5.4.2.3.2 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 1541

5.4.2.3.3 OriginalBatchIdentification <OrgnIBtchId>

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 1541

5.4.2.3.4 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 1532

5.4.2.3.5 BatchChecksum <BtchChcksm>

Presence: [0..1]

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

Datatype: "Max35Binary" on page 1452

5.4.2.3.6 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 1530):

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

5.4.2.3.7 ClearingBatchData <ClrBtchData>

Presence: [0..*]

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

ClearingBatchData <ClrBtchData> contains the following **ClearingBatchData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		99
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		99
	ClearingPriority <ClrPrty>	[0..1]	Text		100
	ClearingDate <ClrDt>	[0..1]	Date		100
	ClearingTotals <ClrTtls>	[0..1]			100
	Count <Cnt>	[1..1]	Quantity		100
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		100
	InterchangeFee <IntrchnngFee>	[0..1]	±		100
	AgentFee <AgtFee>	[0..1]	±		101

5.4.2.3.7.1 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing method used.

Datatype: "ClearingMethod2Code" on page 1480

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
OTHN	OtherNational	Other type of clearing method defined at national level.
OTHP	OtherPrivate	Other type of clearing method defined at private level.
RLTM	RealTime	Clearing done in real time.

5.4.2.3.7.2 OtherClearingMethod <OthrClrMtd>

Presence: [0..1]

Definition: Other type of clearing method.

Datatype: "Max35Text" on page 1539

5.4.2.3.7.3 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1539

5.4.2.3.7.4 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1530

5.4.2.3.7.5 ClearingTotals <ClrTtls>

Presence: [0..1]

Definition: Clearing totals of the batch file.

ClearingTotals <ClrTtls> contains the following **ClearingTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[1..1]	Quantity		100
	AccumulatedAmount <AcmltdAmt>	[1..1]	±		100

5.4.2.3.7.5.1 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions to clear.

Datatype: "Number" on page 1532

5.4.2.3.7.5.2 AccumulatedAmount <AcmltdAmt>

Presence: [1..1]

Definition: Gross clearing accumulated amount.

AccumulatedAmount <AcmltdAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

5.4.2.3.7.6 InterchangeFee <IntrchgFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchgngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

5.4.2.3.7.7 AgentFee <AgtFee>

Presence: [0..1]

Definition: Fee of the agent.

AgentFee <AgtFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

5.4.2.3.8 ClearingControlTotals <ClrCtrlTtls>

Presence: [0..1]

Definition: Gross amount clearing totals.

ClearingControlTotals <ClrCtrlTtls> contains the following **ClearingControlTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingControlCount <ClrCtrlCnt>	[1..1]	Quantity		101
	ClearingControlAmount <ClrCtrlAmt>	[1..1]	±		101

5.4.2.3.8.1 ClearingControlCount <ClrCtrlCnt>

Presence: [1..1]

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

Datatype: "Number" on page 1532

5.4.2.3.8.2 ClearingControlAmount <ClrCtrlAmt>

Presence: [1..1]

Definition: Gross accumulated amount of clearing. To be used for control purpose.

ClearingControlAmount <ClrCtrlAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

5.4.2.3.9 AgentData <AgtData>

Presence: [0..*]

Definition: Information or instructions relevant for the agent in charge of the clearing.

AgentData <AgtData> contains the following **AdditionalInformation21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		102
	Target <Trgt>	[0..*]	CodeSet		102
	Format <Frmt>	[0..1]	CodeSet		103
	Value <Val>	[1..1]	Text		103

5.4.2.3.9.1 Recipient <Rcpt>

Presence: [0..1]

Definition: Recipient of the additional information to display, print, send or store.

Datatype: "PartyType23Code" on page 1507

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
CLRA	ClearingAgent	Agent in charge of clearing payment or related transactions.

5.4.2.3.9.2 Target <Trgt>

Presence: [0..*]

Definition: Target of the additional information to print, display, send or store.

Datatype: "UserInterface7Code" on page 1528

CodeName	Name	Definition
OCAI	OtherClearingAgentInterface	Data dedicated to another interface maintained by the clearing agent.
CLRL	ClearingAgentLog	Data dedicated to a log maintained by the clearing agent.

CodeName	Name	Definition
CLRA	ClearingAgentApplication	Data dedicated to an application maintained by a clearing agent.

5.4.2.3.9.3 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1504

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
OTHN	OtherNational	Other type of output of message defined at national level.
OTHP	OtherPrivate	Other type of output format defined at private level.
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.

5.4.2.3.9.4 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1537

5.4.2.3.10 Record <Rcrd>

Presence: [0..*]

Definition: Record in batch.

Record <Rcrd> contains the following **Record1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[1..1]	Quantity		105
	RecordChecksumInputValue <RcrdChcksmInptVal>	[0..1]	Binary		105
	ClearingRecordData <ClrRcrdData>	[0..1]	±		105
	RecordMessage <RcrdMsg>	[1..1]			106
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		108
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		108
Or	Amendment <Amdmnt>	[1..1]	Binary		108
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		108
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		108
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		108
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		109
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		109
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		109
Or	Error <Err>	[1..1]	Binary		109
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		109
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		109
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		109
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		109
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		109
Or	FinancialResponse <FinRspn>	[1..1]	Binary		110
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		110
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		110
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		110
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		110
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		110
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		110
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		110
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		111
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		111
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		111
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		111
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		111
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		111
Or	RetrievalFulfilmentInitiation <RtrvlFlfmtlInitn>	[1..1]	Binary		111
Or	RetrievalFulfilmentResponse <RtrvlFlfmtlRspn>	[1..1]	Binary		111
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		112
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		112
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		112
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		112
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		112
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		112

5.4.2.3.10.1 SequenceCounter <SeqCntr>

Presence: [1..1]

Definition: Sequence counter of the record from 1 to n

Datatype: "Number" on page 1532

5.4.2.3.10.2 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 1452

5.4.2.3.10.3 ClearingRecordData <ClrRcrdData>

Presence: [0..1]

Definition: Information used with financial type of messages when third-party clearing is involved.

ClearingRecordData <ClrRcrdData> contains the following elements (see "ClearingRecordData1" on page 872 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		872
	Destination <Dstr>	[0..1]	±		872
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		873
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		873
	ClearingPriority <ClrPrty>	[0..1]	Text		873
	ClearingDate <ClrDt>	[0..1]	Date		873
	ClearingAmount <ClrAmt>	[0..1]	±		873
	InterchangeFee <IntrchgFee>	[0..1]	±		874
	AgentFee <AgtFee>	[0..1]	±		874
	OtherAmount <OthrAmt>	[0..1]			874
	ClearingCount <ClrCnt>	[1..1]	Quantity		875
	ClearingAmount <ClrAmt>	[1..1]	±		875
	InterchangeFee <IntrchgFee>	[0..1]	±		875
	AgentFee <AgtFee>	[0..1]	±		875

5.4.2.3.10.4 RecordMessage <RcrdMsg>

Presence: [1..1]

Definition: Message to be sent in a batch transfer as a record.

RecordMessage <RcrdMsg> contains one of the following **RecordMessage1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AddendumInitiation <AdddmInitn>	[1..1]	Binary		108
Or	AddendumResponse <AdddmRspn>	[1..1]	Binary		108
Or	Amendment <Amdmnt>	[1..1]	Binary		108
Or	AuthorisationInitiation <AuthstnInitn>	[1..1]	Binary		108
Or	AuthorisationResponse <AuthstnRspn>	[1..1]	Binary		108
Or	CardManagementInitiation <CardMgmtInitn>	[1..1]	Binary		108
Or	CardManagementResponse <CardMgmtRspn>	[1..1]	Binary		109
Or	ChargeBackInitiation <ChrgBckInitn>	[1..1]	Binary		109
Or	ChargeBackResponse <ChrgBckRspn>	[1..1]	Binary		109
Or	Error <Err>	[1..1]	Binary		109
Or	FeeCollectionInitiation <FeeColltnInitn>	[1..1]	Binary		109
Or	FeeCollectionResponse <FeeColltnRspn>	[1..1]	Binary		109
Or	FileActionInitiation <FileActnInitn>	[1..1]	Binary		109
Or	FileActionResponse <FileActnRspn>	[1..1]	Binary		109
Or	FinancialInitiation <FinInitn>	[1..1]	Binary		109
Or	FinancialResponse <FinRspn>	[1..1]	Binary		110
Or	FraudDispositionInitiation <FrdDspstnInitn>	[1..1]	Binary		110
Or	FraudDispositionResponse <FrdDspstnRspn>	[1..1]	Binary		110
Or	FraudReportingInitiation <FrdRptgInitn>	[1..1]	Binary		110
Or	FraudReportingResponse <FrdRptgRspn>	[1..1]	Binary		110
Or	InquiryInitiation <NqryInitn>	[1..1]	Binary		110
Or	InquiryResponse <NqryRspn>	[1..1]	Binary		110
Or	KeyExchangeInitiation <KeyXchgInitn>	[1..1]	Binary		110
Or	KeyExchangeResponse <KeyXchgRspn>	[1..1]	Binary		111
Or	NetworkManagementInitiation <NtwkMgmtInitn>	[1..1]	Binary		111
Or	NetworkManagementResponse <NtwkMgmtRspn>	[1..1]	Binary		111
Or	ReconciliationInitiation <RcncltnInitn>	[1..1]	Binary		111
Or	ReconciliationResponse <RcncltnRspn>	[1..1]	Binary		111
Or	RetrievalInitiation <RtrvlInitn>	[1..1]	Binary		111
Or	RetrievalResponse <RtrvlRspn>	[1..1]	Binary		111
Or	RetrievalFulfilmentInitiation <RtrvlFlfmltnInitn>	[1..1]	Binary		111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	RetrievalFulfilmentResponse <RtrvFlfmltRspn>	[1..1]	Binary		111
Or	ReversalInitiation <RvslInitn>	[1..1]	Binary		112
Or	ReversalResponse <RvslRspn>	[1..1]	Binary		112
Or	SettlementReportingInitiation <SttlmRptgInitn>	[1..1]	Binary		112
Or	SettlementReportingResponse <SttlmRptgRspn>	[1..1]	Binary		112
Or	VerificationInitiation <VrfctnInitn>	[1..1]	Binary		112
Or}	VerificationResponse <VrfctnRspn>	[1..1]	Binary		112

5.4.2.3.10.4.1 AddendumInitiation <AdddmInitn>

Presence: [1..1]

Definition: Addendum initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.2 AddendumResponse <AdddmRspn>

Presence: [1..1]

Definition: Addendum response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.3 Amendment <Amdmnt>

Presence: [1..1]

Definition: Amendment message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.4 AuthorisationInitiation <AuthstnInitn>

Presence: [1..1]

Definition: Authorisation initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.5 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Authorisation response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.6 CardManagementInitiation <CardMgmtInitn>

Presence: [1..1]

Definition: Card management initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.7 CardManagementResponse <CardMgmtRspn>

Presence: [1..1]

Definition: Card management response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.8 ChargeBackInitiation <ChrgBckInitn>

Presence: [1..1]

Definition: Chargeback initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.9 ChargeBackResponse <ChrgBckRspn>

Presence: [1..1]

Definition: Chargeback response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.10 Error <Err>

Presence: [1..1]

Definition: Error message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.11 FeeCollectionInitiation <FeeColltnInitn>

Presence: [1..1]

Definition: Fee collection initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.12 FeeCollectionResponse <FeeColltnRspn>

Presence: [1..1]

Definition: Fee collection response message record

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.13 FileActionInitiation <FileActnInitn>

Presence: [1..1]

Definition: File action initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.14 FileActionResponse <FileActnRspn>

Presence: [1..1]

Definition: File action response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.15 FinancialInitiation <FinInitn>

Presence: [1..1]

Definition: Financial initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.16 FinancialResponse <FinRspn>

Presence: [1..1]

Definition: Financial response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.17 FraudDispositionInitiation <FrdDspstnInitn>

Presence: [1..1]

Definition: Fraud disposition initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.18 FraudDispositionResponse <FrdDspstnRspn>

Presence: [1..1]

Definition: Fraud disposition response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.19 FraudReportingInitiation <FrdRptgInitn>

Presence: [1..1]

Definition: Fraud reporting initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.20 FraudReportingResponse <FrdRptgRspn>

Presence: [1..1]

Definition: Fraud reporting response record message.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.21 InquiryInitiation <NqryInitn>

Presence: [1..1]

Definition: Inquiry initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.22 InquiryResponse <NqryRspn>

Presence: [1..1]

Definition: Inquiry response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.23 KeyExchangeInitiation <KeyXchgInitn>

Presence: [1..1]

Definition: Key exchange initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.24 KeyExchangeResponse <KeyXchgRspn>

Presence: [1..1]

Definition: Key exchange response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.25 NetworkManagementInitiation <NtwkMgmtInittn>

Presence: [1..1]

Definition: Network management initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.26 NetworkManagementResponse <NtwkMgmtRspn>

Presence: [1..1]

Definition: Network management response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.27 ReconciliationInitiation <RcncltnInittn>

Presence: [1..1]

Definition: Reconciliation initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.28 ReconciliationResponse <RcncltnRspn>

Presence: [1..1]

Definition: Reconciliation response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.29 RetrievalInitiation <RtrvlInittn>

Presence: [1..1]

Definition: Retrieval initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.30 RetrievalResponse <RtrvlRspn>

Presence: [1..1]

Definition: Retrieval response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.31 RetrievalFulfilmentInitiation <RtrvlFlfmtInittn>

Presence: [1..1]

Definition: Retrieval fulfilment initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.32 RetrievalFulfilmentResponse <RtrvlFlfmtRspn>

Presence: [1..1]

Definition: Retrieval fulfilment response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.33 ReversalInitiation <RvslInitn>

Presence: [1..1]

Definition: Reversal initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.34 ReversalResponse <RvslRspn>

Presence: [1..1]

Definition: Reversal response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.35 SettlementReportingInitiation <SttlmRptgInitn>

Presence: [1..1]

Definition: Settlement reporting initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.36 SettlementReportingResponse <SttlmRptgRspn>

Presence: [1..1]

Definition: Settlement reporting response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.37 VerificationInitiation <VrfctnInitn>

Presence: [1..1]

Definition: Verification initiation message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.10.4.38 VerificationResponse <VrfctnRspn>

Presence: [1..1]

Definition: Verification response message record.

Datatype: "Max2MBBinary" on page 1452

5.4.2.3.11 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		113
	Value <Val>	[0..1]	Text		113

5.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

5.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

5.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1417 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[1..1]	±		1417
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1418

5.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

5.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

5.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

6 caad.005.001.02 ReconciliationInitiationV02

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 ReconciliationInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the reconciliation.
- C. 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]	±		120
	Body <Body>	[1..1]			120
	Environment <Envnt>	[1..1]			121
	Originator <Orgtr>	[0..1]	±		122
	Sender <Sndr>	[0..1]	±		122
	Receiver <Rcvr>	[0..1]	±		122
	Destination <Dstn>	[0..1]	±		123
	Context <Cntxt>	[0..1]			123
	TransactionContext <TxCntxt>	[0..1]	±		123
	Transaction <Tx>	[1..1]			124
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		124
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		125
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		125
	TransactionIdentification <TxId>	[0..1]	±		125
	RequestedCurrency <ReqdCcy>	[0..*]	Text		125
	ReconciliationTotals <RcncltnTtls>	[0..*]			126
	Reconciliation <Rcncltn>	[0..1]	±		126
	FinancialReconciliation <FinRcncltn>	[0..*]	±		126
	MessageReconciliation <MsgRcncltn>	[0..*]	±		127
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		127
	Currency <Ccy>	[1..1]	Text		127
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		127
	AdditionalFees <AddtlFees>	[0..*]	±		128
	AdditionalData <AddtlData>	[0..*]			128
	Type <Tp>	[0..1]	Text		128
	Value <Val>	[0..1]	Text		128
	ProtectedData <PrtctdData>	[0..*]	±		129
	SupplementaryData <SplmtryData>	[0..*]	±	C1	132
	SecurityTrailer <SctyTrlr>	[0..1]	±		132

6.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "[Header39](#)" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

6.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the reconciliation.

Body <Body> contains the following **ReconciliationInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			121
	Originator <Orgtr>	[0..1]	±		122
	Sender <Sndr>	[0..1]	±		122
	Receiver <Rcvr>	[0..1]	±		122
	Destination <Dstn>	[0..1]	±		123
	Context <Cntxt>	[0..1]			123
	TransactionContext <TxCntxt>	[0..1]	±		123
	Transaction <Tx>	[1..1]			124
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		124
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		125
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		125
	TransactionIdentification <Txld>	[0..1]	±		125
	RequestedCurrency <ReqdCcy>	[0..*]	Text		125
	ReconciliationTotals <RcncltnTtls>	[0..*]			126
	Reconciliation <Rcncltn>	[0..1]	±		126
	FinancialReconciliation <FinRcncltn>	[0..*]	±		126
	MessageReconciliation <MsgRcncltn>	[0..*]	±		127
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		127
	Currency <Ccy>	[1..1]	Text		127
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		127
	AdditionalFees <AddtlFees>	[0..*]	±		128
	AdditionalData <AddtlData>	[0..*]			128
	Type <Tp>	[0..1]	Text		128
	Value <Val>	[0..1]	Text		128
	ProtectedData <PrtctdData>	[0..*]	±		129
	SupplementaryData <SplmtryData>	[0..*]	±	C1	132

6.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		122
	Sender <Sndr>	[0..1]	±		122
	Receiver <Rcvr>	[0..1]	±		122
	Destination <Dstin>	[0..1]	±		123

6.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

6.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

6.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

6.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

6.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]	±		123

6.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext3" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

6.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Data pertaining to the reconciliation transaction.

Transaction <Tx> contains the following **Transaction94** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		124
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		125
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		125
	TransactionIdentification <TxId>	[0..1]	±		125
	RequestedCurrency <ReqdCcy>	[0..*]	Text		125
	ReconciliationTotals <RcncltnTtls>	[0..*]			126
	Reconciliation <Rcncltn>	[0..1]	±		126
	FinancialReconciliation <FinRcncltn>	[0..*]	±		126
	MessageReconciliation <MsgRcncltn>	[0..*]	±		127
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		127
	Currency <Ccy>	[1..1]	Text		127
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		127
	AdditionalFees <AddtlFees>	[0..*]	±		128
	AdditionalData <AddtlData>	[0..*]			128
	Type <Tp>	[0..1]	Text		128
	Value <Val>	[0..1]	Text		128

6.4.2.3.1 ReconciliationFunction <RcncltnFctn>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 1515

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

6.4.2.3.2 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "CardServiceType4Code" on page 1478

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.

6.4.2.3.3 OtherReconciliationType <OthrRcncltnTp>

Presence: [0..1]

Definition: Other type of reconciliation.

Datatype: "Max35Text" on page 1539

6.4.2.3.4 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

6.4.2.3.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

ISO 4217

Datatype: "Exact3NumericText" on page 1533

6.4.2.3.6 ReconciliationTotals <RcncltnTtls>

Presence: [0..*]

Definition: Totals of the reconciliation.

ReconciliationTotals <RcncltnTtls> contains the following **TransactionTotals11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Reconciliation <Rcncltn>	[0..1]	±		126
	FinancialReconciliation <FinRcncltn>	[0..*]	±		126
	MessageReconciliation <MsgRcncltn>	[0..*]	±		127
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		127
	Currency <Ccy>	[1..1]	Text		127
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		127

6.4.2.3.6.1 Reconciliation <Rcncltn>

Presence: [0..1]

Definition: Date and identification of reconciliation.

Reconciliation <Rcncltn> contains the following elements (see "Reconciliation3" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

6.4.2.3.6.2 FinancialReconciliation <FinRcncltn>

Presence: [0..*]

Definition: Total of credit transactions.

FinancialReconciliation <FinRcncltn> contains the following elements (see "FinancialReconciliation1" on page 1286 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1286
	Type <Tp>	[1..1]	CodeSet		1286
	OtherType <OthrTp>	[0..1]	Text		1286
	Amount <Amt>	[1..1]	Amount		1286
	Count <Cnt>	[1..1]	Quantity		1287

6.4.2.3.6.3 MessageReconciliation <MsgRcncltn>*Presence:* [0..*]*Definition:* Contains total message count.**MessageReconciliation <MsgRcncltn>** contains the following elements (see "MessageReconciliation1" on page 1284 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1284
	OtherType <OthrTp>	[0..1]	Text		1285
	Count <Cnt>	[1..1]	Quantity		1285

6.4.2.3.6.4 AdditionalFeeReconciliation <AddtlFeeRcncltn>*Presence:* [0..*]*Definition:* Contains additional fee reconciliation data.**AdditionalFeeReconciliation <AddtlFeeRcncltn>** contains the following elements (see "AdditionalFeeReconciliation1" on page 1282 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1282
	Type <Tp>	[1..1]	CodeSet		1282
	OtherType <OthrTp>	[0..1]	Text		1283
	Amount <Amt>	[1..1]	Amount		1283
	Count <Cnt>	[1..1]	Quantity		1283

6.4.2.3.6.5 Currency <Ccy>*Presence:* [1..1]*Definition:* Currency of the transaction.*Datatype:* "Min2Max3NumericText" on page 1542**6.4.2.3.6.6 NetAmountReconciliation <NetAmtRcncltn>***Presence:* [0..1]*Definition:* Net amount of reconciliation.

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NetAmountReconciliation <NetAmtRcncltn> contains the following elements (see "[Amount5](#)" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

6.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

6.4.2.3.8 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		128
	Value <Val>	[0..1]	Text		128

6.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

6.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

6.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

6.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

6.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

7 caad.006.001.02 ReconciliationResponseV02

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 ReconciliationResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the reconciliation response.
- C. 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]	±		136
	Body <Body>	[1..1]			137
	Environment <Envt>	[1..1]			138
	Originator <Orgtr>	[0..1]	±		139
	Sender <Sndr>	[0..1]	±		139
	Receiver <Rcvr>	[0..1]	±		139
	Destination <Dstn>	[0..1]	±		140
	Context <Cntxt>	[0..1]			140
	TransactionContext <TxCntxt>	[0..1]			140
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		141
	Transaction <Tx>	[1..1]			141
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		141
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		142
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		142
	TransactionIdentification <TxId>	[0..1]	±		142
	RequestedCurrency <ReqdCcy>	[0..*]	Text		142
	ReconciliationTotals <RcncltnTtls>	[0..*]			143
	Reconciliation <Rcncltn>	[0..1]	±		143
	FinancialReconciliation <FinRcncltn>	[0..*]	±		143
	MessageReconciliation <MsgRcncltn>	[0..*]	±		144
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		144
	Currency <Ccy>	[1..1]	Text		144
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		145
	AdditionalFees <AddtlFees>	[0..*]	±		145
	AdditionalData <AddtlData>	[0..*]			145
	Type <Tp>	[0..1]	Text		145
	Value <Val>	[0..1]	Text		146
	ProcessingResult <PrccgRslt>	[1..1]	±		146
	ProtectedData <PrtctdData>	[0..*]	±		146

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SupplementaryData <SplmtryData>	[0..*]	±	C1	149
	SecurityTrailer <SctyTrlr>	[0..1]	±		149

7.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		1180
	ExchangeIdentification <Xchgld>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

7.4.2 **Body <Body>**

Presence: [1..1]

Definition: Information related to the reconciliation response.

Body <Body> contains the following **ReconciliationResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			138
	Originator <Orgtr>	[0..1]	±		139
	Sender <Sndr>	[0..1]	±		139
	Receiver <Rcvr>	[0..1]	±		139
	Destination <Dstn>	[0..1]	±		140
	Context <Cntxt>	[0..1]			140
	TransactionContext <TxCntxt>	[0..1]			140
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		141
	Transaction <Tx>	[1..1]			141
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		141
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		142
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		142
	TransactionIdentification <Txld>	[0..1]	±		142
	RequestedCurrency <ReqdCcy>	[0..*]	Text		142
	ReconciliationTotals <RcncltnTtls>	[0..*]			143
	Reconciliation <Rcncltn>	[0..1]	±		143
	FinancialReconciliation <FinRcncltn>	[0..*]	±		143
	MessageReconciliation <MsgRcncltn>	[0..*]	±		144
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		144
	Currency <Ccy>	[1..1]	Text		144
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		145
	AdditionalFees <AddtlFees>	[0..*]	±		145
	AdditionalData <AddtlData>	[0..*]			145
	Type <Tp>	[0..1]	Text		145
	Value <Val>	[0..1]	Text		146
	ProcessingResult <PrcgRslt>	[1..1]	±		146
	ProtectedData <PrctcdData>	[0..*]	±		146
	SupplementaryData <SplmtryData>	[0..*]	±	C1	149

7.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		139
	Sender <Sndr>	[0..1]	±		139
	Receiver <Rcvr>	[0..1]	±		139
	Destination <Dstn>	[0..1]	±		140

7.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

7.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

7.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

7.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

7.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			140
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		141

7.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		141

7.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApId>*Presence:* [0..1]*Definition:* Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

7.4.2.3 Transaction <Tx>*Presence:* [1..1]*Definition:* Data pertaining to the reconciliation transaction.**Transaction <Tx>** contains the following **Transaction94** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationFunction <RcncltnFctn>	[1..1]	CodeSet		141
	ReconciliationType <RcncltnTp>	[1..1]	CodeSet		142
	OtherReconciliationType <OthrRcncltnTp>	[0..1]	Text		142
	TransactionIdentification <TxId>	[0..1]	±		142
	RequestedCurrency <ReqdCcy>	[0..*]	Text		142
	ReconciliationTotals <RcncltnTtls>	[0..*]			143
	Reconciliation <Rcncltn>	[0..1]	±		143
	FinancialReconciliation <FinRcncltn>	[0..*]	±		143
	MessageReconciliation <MsgRcncltn>	[0..*]	±		144
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		144
	Currency <Ccy>	[1..1]	Text		144
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		145
	AdditionalFees <AddtlFees>	[0..*]	±		145
	AdditionalData <AddtlData>	[0..*]			145
	Type <Tp>	[0..1]	Text		145
	Value <Val>	[0..1]	Text		146

7.4.2.3.1 ReconciliationFunction <RcncltnFctn>*Presence:* [1..1]

Definition: Type of reconciliation.

Datatype: "ReconciliationFunction1Code" on page 1515

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

7.4.2.3.2 ReconciliationType <RcncltnTp>

Presence: [1..1]

Definition: Type of reconciliation.

Datatype: "CardServiceType4Code" on page 1478

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.

7.4.2.3.3 OtherReconciliationType <OthrRcncltnTp>

Presence: [0..1]

Definition: Other type of reconciliation.

Datatype: "Max35Text" on page 1539

7.4.2.3.4 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

7.4.2.3.5 RequestedCurrency <ReqdCcy>

Presence: [0..*]

Definition: Requested currency by the acceptor.

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Datatype: "Exact3NumericText" on page 1533**7.4.2.3.6 ReconciliationTotals <RcncltnTtls>***Presence:* [0..*]*Definition:* Totals of the reconciliation.**ReconciliationTotals <RcncltnTtls>** contains the following **TransactionTotals11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Reconciliation <Rcncltn>	[0..1]	±		143
	FinancialReconciliation <FinRcncltn>	[0..*]	±		143
	MessageReconciliation <MsgRcncltn>	[0..*]	±		144
	AdditionalFeeReconciliation <AddtlFeeRcncltn>	[0..*]	±		144
	Currency <Ccy>	[1..1]	Text		144
	NetAmountReconciliation <NetAmtRcncltn>	[0..1]	±		145

7.4.2.3.6.1 Reconciliation <Rcncltn>*Presence:* [0..1]*Definition:* Date and identification of reconciliation.**Reconciliation <Rcncltn>** contains the following elements (see "Reconciliation3" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

7.4.2.3.6.2 FinancialReconciliation <FinRcncltn>*Presence:* [0..*]*Definition:* Total of credit transactions.

FinancialReconciliation <FinRcncltn> contains the following elements (see "FinancialReconciliation1" on page 1286 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1286
	Type <Tp>	[1..1]	CodeSet		1286
	OtherType <OthrTp>	[0..1]	Text		1286
	Amount <Amt>	[1..1]	Amount		1286
	Count <Cnt>	[1..1]	Quantity		1287

7.4.2.3.6.3 MessageReconciliation <MsgRcncltn>

Presence: [0..*]

Definition: Contains total message count.

MessageReconciliation <MsgRcncltn> contains the following elements (see "MessageReconciliation1" on page 1284 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1284
	OtherType <OthrTp>	[0..1]	Text		1285
	Count <Cnt>	[1..1]	Quantity		1285

7.4.2.3.6.4 AdditionalFeeReconciliation <AddtlFeeRcncltn>

Presence: [0..*]

Definition: Contains additional fee reconciliation data.

AdditionalFeeReconciliation <AddtlFeeRcncltn> contains the following elements (see "AdditionalFeeReconciliation1" on page 1282 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1282
	Type <Tp>	[1..1]	CodeSet		1282
	OtherType <OthrTp>	[0..1]	Text		1283
	Amount <Amt>	[1..1]	Amount		1283
	Count <Cnt>	[1..1]	Quantity		1283

7.4.2.3.6.5 Currency <Ccy>

Presence: [1..1]

Definition: Currency of the transaction.

Datatype: "Min2Max3NumericText" on page 1542

7.4.2.3.6.6 NetAmountReconciliation <NetAmtRcncltn>*Presence:* [0..1]*Definition:* Net amount of reconciliation.

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NetAmountReconciliation <NetAmtRcncltn> contains the following elements (see "[Amount5](#)" on [page 856](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

7.4.2.3.7 AdditionalFees <AddtlFees>*Presence:* [0..*]*Definition:* Fees not included in the transaction amount but included in the settlement.**AdditionalFees <AddtlFees>** contains the following elements (see "[AdditionalFee1](#)" on [page 861](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

7.4.2.3.8 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		145
	Value <Val>	[0..1]	Text		146

7.4.2.3.8.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "[Max35Text](#)" on [page 1539](#)

7.4.2.3.8.2 Value <Val>*Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**7.4.2.4 ProcessingResult <PrcgRslt>***Presence:* [1..1]*Definition:* Outcome of the processing.**ProcessingResult <PrcgRslt>** contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

7.4.2.5 ProtectedData <PrtctdData>*Presence:* [0..*]*Definition:* Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

7.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

7.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

8 caad.007.001.02 ErrorV02

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 ErrorV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Details of the rejection or message errors.
- C. 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]	±		153
	Body <Body>	[1..1]			153
	Context <Cntxt>	[0..1]			154
	TransactionContext <TxCntxt>	[0..1]			154
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		155
	Transaction <Tx>	[1..1]			155
	TransactionIdentification <TxId>	[1..1]	±		155
	ErrorDetail <ErrDtl>	[1..*]			156
	MessageErrorType <MsgErrTp>	[1..1]	CodeSet		156
	OtherMessageErrorType <OthrMsgErrTp>	[0..1]	Text		157
	ErrorCode <ErrCd>	[0..1]	Text		157
	ErrorDescription <ErrDesc>	[0..1]	Text		157
	DataElementInError <DataElmtInErr>	[0..*]	Text		157
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		157
	AdditionalFees <AddtlFees>	[0..*]	±		158
	AdditionalData <AddtlData>	[0..*]			158
	Type <Tp>	[0..1]	Text		158
	Value <Val>	[0..1]	Text		158
	ProtectedData <PrctcdData>	[0..*]	±		158
	SupplementaryData <SplmtryData>	[0..*]	±	C1	161
	SecurityTrailer <SctyTrlr>	[0..1]	±		161

8.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header45" on page 1163 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1163
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1163
	ExchangeIdentification <Xchgld>	[0..1]	Text		1164
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1164
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1164
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1164
	InitiatingParty <InitgPty>	[1..1]	±		1164
	RecipientParty <RcptPty>	[0..1]	±		1165
	TraceData <TracData>	[0..*]			1165
	Type <Tp>	[0..1]	Text		1165
	Value <Val>	[0..1]	Text		1166
	Traceability <Tracblt>	[0..*]	±		1166

8.4.2 Body <Body>

Presence: [1..1]

Definition: Details of the rejection or message errors.

Body <Body> contains the following **Error1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			154
	TransactionContext <TxCntxt>	[0..1]			154
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		155
	Transaction <Tx>	[1..1]			155
	TransactionIdentification <TxId>	[1..1]	±		155
	ErrorDetail <ErrDtl>	[1..*]			156
	MessageErrorType <MsgErrTp>	[1..1]	CodeSet		156
	OtherMessageErrorType <OthrMsgErrTp>	[0..1]	Text		157
	ErrorCode <ErrCd>	[0..1]	Text		157
	ErrorDescription <ErrDesc>	[0..1]	Text		157
	DataElementInError <DataElmtInErr>	[0..*]	Text		157
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		157
	AdditionalFees <AddtlFees>	[0..*]	±		158
	AdditionalData <AddtlData>	[0..*]			158
	Type <Tp>	[0..1]	Text		158
	Value <Val>	[0..1]	Text		158
	ProtectedData <PrctcdData>	[0..*]	±		158
	SupplementaryData <SplmtryData>	[0..*]	±	C1	161

8.4.2.1 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			154
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		155

8.4.2.1.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		155

8.4.2.1.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

8.4.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Error or rejection transaction.

Transaction <Tx> contains the following **Transaction101** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		155
	ErrorDetail <ErrDtl>	[1..*]			156
	MessageErrorType <MsgErrTp>	[1..1]	CodeSet		156
	OtherMessageErrorType <OthrMsgErrTp>	[0..1]	Text		157
	ErrorCode <ErrCd>	[0..1]	Text		157
	ErrorDescription <ErrDesc>	[0..1]	Text		157
	DataElementInError <DataElmtInErr>	[0..*]	Text		157
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		157
	AdditionalFees <AddtlFees>	[0..*]	±		158
	AdditionalData <AddtlData>	[0..*]			158
	Type <Tp>	[0..1]	Text		158
	Value <Val>	[0..1]	Text		158

8.4.2.2.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Transaction Identification of the Error message.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

8.4.2.2.2 ErrorDetail <ErrDtl>

Presence: [1..*]

Definition: Contains error details.

ISO 8583:2003, bit 18

ErrorDetail <ErrDtl> contains the following **ErrorDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageErrorType <MsgErrTp>	[1..1]	CodeSet		156
	OtherMessageErrorType <OthrMsgErrTp>	[0..1]	Text		157
	ErrorCode <ErrCd>	[0..1]	Text		157
	ErrorDescription <ErrDesc>	[0..1]	Text		157
	DataElementInError <DataElmtInErr>	[0..*]	Text		157

8.4.2.2.2.1 MessageErrorType <MsgErrTp>

Presence: [1..1]

Definition: Code list containing a code that identifies the error condition.

Datatype: "MessageError1Code" on page 1498

CodeName	Name	Definition
IDEF	InvalidDataElementFormat	Invalid data element format
IDEL	InvalidDataElementLength	Invalid data element length
IDEV	InvalidDataElementValue	Invalid data element value
INME	InvalidMessage	Invalid message
INMF	InvalidMessageFunction	Invalid Message Function
MEPE	MessageParseError	Message Parse Error
OTHP	OtherPrivate	Other reason to reject a message defined at private level.

CodeName	Name	Definition
PRVE	ProtocolVersion	Protocol Version
RDEM	RequiredDataElementMissing	Required data element missing
SECU	Security	Security
UDFD	Undefined	Error that is not defined in the Message type Error and is not OtherNational or OtherPrivate Error
OTHN	OtherNational	Other reason defined at national level to reject a message.
ITDE	IterativeDataError	Iterative data error
DUME	DuplicateMessage	Duplicate Message
IDWM	InconsistentDataWithinMessage	Inconsistent data within message
IDRM	InconsistentDataWithRelatedMessage	Inconsistent data with related message
IBAT	InvalidBatch	Invalid Batch
ICOL	InvalidCollection	Invalid Collection

8.4.2.2.2.2 OtherMessageErrorType <OthrMsgErrTp>

Presence: [0..1]

Definition: Other message error type defined at national or private level.

Datatype: "Max35Text" on page 1539

8.4.2.2.2.3 ErrorCode <ErrCd>

Presence: [0..1]

Definition: Error code defined in ISO 8583:2003 table A.10 Message error codes (bit 18).

Datatype: "Max35Text" on page 1539

8.4.2.2.2.4 ErrorDescription <ErrDesc>

Presence: [0..1]

Definition: Other Message Error Code.

Datatype: "Max500Text" on page 1540

8.4.2.2.2.5 DataElementInError <DataElmtInErr>

Presence: [0..*]

Definition: Data element in error.

Datatype: "Max4000Text" on page 1539

8.4.2.2.3 OriginalMessage <OrgnlMsg>

Presence: [0..1]

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

Datatype: "Max100KBinary" on page 1452

8.4.2.2.4 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

8.4.2.2.5 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		158
	Value <Val>	[0..1]	Text		158

8.4.2.2.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

8.4.2.2.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

8.4.2.3 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

8.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

8.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

9 cafc.001.001.01

FeeCollectionInitiationV01

9.1 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 FeeCollectionInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

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B. Body

Information related to the initiation of a fee collection.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

9.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FeeColltnIntr>	[1..1]			
	Header <Hdr>	[1..1]	±		165
	Body <Body>	[1..1]			166
	Environment <Env>	[1..1]			167
	Acquirer <Acqrr>	[0..1]	±		167
	Originator <Orgtr>	[0..1]	±		167
	Sender <Sndr>	[0..1]	±		168
	Receiver <Rcvr>	[0..1]	±		168
	Acceptor <Accptr>	[0..1]	±		168
	Destination <Dstn>	[0..1]	±		169
	Card <Card>	[0..1]	±		170
	Token <Tkn>	[0..1]	±		170
	Context <Cntxt>	[0..1]			170
	TransactionContext <TxCntxt>	[0..1]	±		170
	Transaction <Tx>	[1..1]			171
	TransactionType <TxTp>	[1..1]	Text		171
	TransactionSubType <TxSubTp>	[0..1]	Text		171
	MessageReason <MsgRsn>	[0..*]	Text		172
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		172
	SpecialProgrammeQualification <SpclPrgrmmQlfc>	[0..*]	±		172
	TransactionIdentification <TxId>	[1..1]	±		172
	TransactionAmounts <TxAmts>	[1..1]	±		173
	AdditionalAmounts <AddtlAmts>	[0..*]	±		173
	AdditionalFees <AddtlFees>	[0..*]	±		174
	AdditionalData <AddtlData>	[0..*]			174
	Type <Tp>	[0..1]	Text		174
	Value <Val>	[0..1]	Text		175
	ProcessingResult <PrcgRslt>	[0..1]	±		175
	ProtectedData <PrtctdData>	[0..*]	±		175
	SupplementaryData <SplmtryData>	[0..*]	±	C1	178

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityTrailer <SctyTrlr>	[0..1]	±		178

9.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 protocol management.

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Header <Hdr> contains the following elements (see "[Header48](#)" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1156
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		1157
	ExchangeIdentification <Xchgld>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

9.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a fee collection.

Body <Body> contains the following **FeeCollectionInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			167
	Acquirer <Acqrr>	[0..1]	±		167
	Originator <Orgtr>	[0..1]	±		167
	Sender <Sndr>	[0..1]	±		168
	Receiver <Rcvr>	[0..1]	±		168
	Acceptor <Accptr>	[0..1]	±		168
	Destination <Dstn>	[0..1]	±		169
	Card <Card>	[0..1]	±		170
	Token <Tkn>	[0..1]	±		170
	Context <Cntxt>	[0..1]			170
	TransactionContext <TxCntxt>	[0..1]	±		170
	Transaction <Tx>	[1..1]			171
	TransactionType <TxTp>	[1..1]	Text		171
	TransactionSubType <TxSubTp>	[0..1]	Text		171
	MessageReason <MsgRsn>	[0..*]	Text		172
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		172
	SpecialProgrammeQualification <SpclPrgrmmQlfcctn>	[0..*]	±		172
	TransactionIdentification <TxId>	[1..1]	±		172
	TransactionAmounts <TxAmts>	[1..1]	±		173
	AdditionalAmounts <AddtlAmts>	[0..*]	±		173
	AdditionalFees <AddtlFees>	[0..*]	±		174
	AdditionalData <AddtlData>	[0..*]			174
	Type <Tp>	[0..1]	Text		174
	Value <Val>	[0..1]	Text		175
	ProcessingResult <PrcgRslt>	[0..1]	±		175
	ProtectedData <PrctcdData>	[0..*]	±		175
	SupplementaryData <SplmtryData>	[0..*]	±	C1	178

9.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		167
	Originator <Orgtr>	[0..1]	±		167
	Sender <Sndr>	[0..1]	±		168
	Receiver <Rcvr>	[0..1]	±		168
	Acceptor <Accptr>	[0..1]	±		168
	Destination <Dstn>	[0..1]	±		169
	Card <Card>	[0..1]	±		170
	Token <Tkn>	[0..1]	±		170

9.4.2.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Party in contract with an Acceptor to acquire card payment transactions.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgrr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

9.4.2.1.2 Originator <Orgtr>

Presence: [0..1]

Definition: Originator of the transaction.

Originator <Orgtr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

9.4.2.1.3 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 ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

9.4.2.1.4 Receiver <Rcvr>

Presence: [0..1]

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

Receiver <Rcvr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

9.4.2.1.5 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

9.4.2.1.6 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

9.4.2.1.7 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData2](#)" on page 889 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		890
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		890
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		890
	CardPortfolioIdentifier <CardPrftlldr>	[0..1]	Text		890

9.4.2.1.8 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "[Token1](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

9.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Contains or describes conditions and characteristics of the transaction.**Context <Cntxt>** contains the following **Context9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]	±		170

9.4.2.2.1 TransactionContext <TxCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

9.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction103** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		171
	TransactionSubType <TxSubTp>	[0..1]	Text		171
	MessageReason <MsgRsn>	[0..*]	Text		172
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		172
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		172
	TransactionIdentification <TxId>	[1..1]	±		172
	TransactionAmounts <TxAmts>	[1..1]	±		173
	AdditionalAmounts <AddtlAmts>	[0..*]	±		173
	AdditionalFees <AddtlFees>	[0..*]	±		174
	AdditionalData <AddtlData>	[0..*]			174
	Type <Tp>	[0..1]	Text		174
	Value <Val>	[0..1]	Text		175

9.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service

ISO 8583:87/93/2003 bit 3

Datatype: "[Exact2AlphaNumericText](#)" on page 1533

9.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

9.4.2.3.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:1993/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

9.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate message reason to send the message.

Datatype: "Max35Text" on page 1539

9.4.2.3.5 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

9.4.2.3.6 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification13](#)" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1300
	TimeZone <TmZone>	[0..1]	Text		1300
	TransactionReference <TxRef>	[0..1]	Text		1300
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1300
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1301
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1301
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1301
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1301
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1302
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1302
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1302
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1302
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1302

9.4.2.3.7 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

9.4.2.3.8 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Labl>	[0..1]	Text		843

9.4.2.3.9 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

9.4.2.3.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		174
	Value <Val>	[0..1]	Text		175

9.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

9.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

9.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

9.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

9.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

9.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

10 cafc.002.001.01

FeeCollectionResponseV01

10.1 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 FeeCollectionResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

ISO 8583 MTI

B. Body

Information related to the response of a fee collection initiation message..

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FeeColltnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		182
	Body <Body>	[1..1]			182
	Environment <Envt>	[1..1]			183
	Acquirer <Acqrr>	[0..1]	±		184
	Originator <Orgtr>	[0..1]	±		184
	Sender <Sndr>	[0..1]	±		185
	Receiver <Rcvr>	[0..1]	±		185
	Acceptor <Accptr>	[0..1]	±		185
	Destination <Dstn>	[0..1]	±		186
	Card <Card>	[0..1]	±		187
	Token <Tkn>	[0..1]	±		187
	Context <Cntxt>	[0..1]			187
	TransactionContext <TxCntxt>	[0..1]	±		187
	Transaction <Tx>	[1..1]			188
	TransactionType <TxTp>	[1..1]	Text		188
	TransactionSubType <TxSubTp>	[0..1]	Text		188
	MessageReason <MsgRsn>	[0..*]	Text		189
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		189
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		189
	TransactionIdentification <TxId>	[1..1]	±		189
	TransactionAmounts <TxAmts>	[1..1]	±		190
	AdditionalAmounts <AddtlAmts>	[0..*]	±		190
	AdditionalFees <AddtlFees>	[0..*]	±		191
	AdditionalData <AddtlData>	[0..*]			191
	Type <Tp>	[0..1]	Text		191
	Value <Val>	[0..1]	Text		192
	ProcessingResult <PrcgRslt>	[1..1]	±		192
	SupplementaryData <SplmtryData>	[0..*]	±	C1	192
	SecurityTrailer <SctyTrlr>	[0..1]	±		193

10.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 protocol management.

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Header <Hdr> contains the following elements (see "[Header48](#)" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

10.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the response of a fee collection initiation message..

Body <Body> contains the following **FeeCollectionResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			183
	Acquirer <Acqrr>	[0..1]	±		184
	Originator <Orgtr>	[0..1]	±		184
	Sender <Sndr>	[0..1]	±		185
	Receiver <Rcvr>	[0..1]	±		185
	Acceptor <Accptr>	[0..1]	±		185
	Destination <Dstn>	[0..1]	±		186
	Card <Card>	[0..1]	±		187
	Token <Tkn>	[0..1]	±		187
	Context <Cntxt>	[0..1]			187
	TransactionContext <TxCntxt>	[0..1]	±		187
	Transaction <Tx>	[1..1]			188
	TransactionType <TxTp>	[1..1]	Text		188
	TransactionSubType <TxSubTp>	[0..1]	Text		188
	MessageReason <MsgRsn>	[0..*]	Text		189
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		189
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		189
	TransactionIdentification <TxId>	[1..1]	±		189
	TransactionAmounts <TxAmts>	[1..1]	±		190
	AdditionalAmounts <AddtlAmts>	[0..*]	±		190
	AdditionalFees <AddtlFees>	[0..*]	±		191
	AdditionalData <AddtlData>	[0..*]			191
	Type <Tp>	[0..1]	Text		191
	Value <Val>	[0..1]	Text		192
	ProcessingResult <PrcgRslt>	[1..1]	±		192
	SupplementaryData <SplmtryData>	[0..*]	±	C1	192

10.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction

Environment <Envt> contains the following **Environment5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		184
	Originator <Orgtr>	[0..1]	±		184
	Sender <Sndr>	[0..1]	±		185
	Receiver <Rcvr>	[0..1]	±		185
	Acceptor <Accptr>	[0..1]	±		185
	Destination <Dstn>	[0..1]	±		186
	Card <Card>	[0..1]	±		187
	Token <Tkn>	[0..1]	±		187

10.4.2.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Party in contract with an Acceptor to acquire card payment transactions.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

10.4.2.1.2 Originator <Orgtr>

Presence: [0..1]

Definition: Originator of the transaction.

Originator <Orgtr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

10.4.2.1.3 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 "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

10.4.2.1.4 Receiver <Rcvr>

Presence: [0..1]

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

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

10.4.2.1.5 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

10.4.2.1.6 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

10.4.2.1.7 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData2](#)" on page 889 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		890
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		890
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		890
	CardPortfolioIdentifier <CardPrftlldr>	[0..1]	Text		890

10.4.2.1.8 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "[Token1](#)" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

10.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Contains or describes conditions and characteristics of the transaction.**Context <Cntxt>** contains the following **Context9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]	±		187

10.4.2.2.1 TransactionContext <TxCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext3" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

10.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction103** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		188
	TransactionSubType <TxSubTp>	[0..1]	Text		188
	MessageReason <MsgRsn>	[0..*]	Text		189
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		189
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		189
	TransactionIdentification <TxId>	[1..1]	±		189
	TransactionAmounts <TxAmts>	[1..1]	±		190
	AdditionalAmounts <AddtlAmts>	[0..*]	±		190
	AdditionalFees <AddtlFees>	[0..*]	±		191
	AdditionalData <AddtlData>	[0..*]			191
	Type <Tp>	[0..1]	Text		191
	Value <Val>	[0..1]	Text		192

10.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

10.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

10.4.2.3.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:1993/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

10.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate message reason to send the message.

Datatype: "Max35Text" on page 1539

10.4.2.3.5 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

10.4.2.3.6 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification13](#)" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1300
	TimeZone <TmZone>	[0..1]	Text		1300
	TransactionReference <TxRef>	[0..1]	Text		1300
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1300
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1301
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1301
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1301
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1301
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1302
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1302
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1302
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1302
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1302

10.4.2.3.7 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

10.4.2.3.8 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Labl>	[0..1]	Text		843

10.4.2.3.9 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

10.4.2.3.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		191
	Value <Val>	[0..1]	Text		192

10.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

10.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

10.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

10.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

10.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType20](#)" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtc>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

11 **caf.001.001.01**

FileActionInitiationV01

11.1 **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 FileActionInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the initiation of a file action.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FileActnIntr>	[1..1]			
	Header <Hdr>	[1..1]	±		196
	Body <Body>	[1..1]			197
	Environment <Envt>	[1..1]			199
	Originator <Orgtr>	[0..1]	±		199
	Sender <Sndr>	[0..1]	±		199
	Receiver <Rcvr>	[0..1]	±		199
	Destination <Dstn>	[0..1]	±		200
	Context <Cntxt>	[0..1]			200
	TransactionContext <TxCntxt>	[0..1]			200
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		201
	Transaction <Tx>	[1..1]			201
	MessageReason <MsgRsn>	[0..*]	Text		202
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		202
	TransactionIdentification <TxId>	[1..1]	±		202
	FileActionScope <FileActnScp>	[1..1]	CodeSet		203
	FileActionType <FileActnTp>	[1..1]	CodeSet		203
	OtherFileActionType <OthrFileActnTp>	[0..1]	Text		204
	FileActionDetails <FileActnDtls>	[1..1]			204
	FileName <FileNm>	[1..1]	Text		204
	DataRecord <DataRcrd>	[1..1]	Binary		204
	ActionDate <ActnDt>	[0..1]	Date		205
	FileSecurityCode <FileSctyCd>	[0..1]	Text		205
	AdditionalFees <AddtlFees>	[0..*]	±		205
	AdditionalData <AddtlData>	[0..*]			205
	Type <Tp>	[0..1]	Text		205
	Value <Val>	[0..1]	Text		206
	ProcessingResult <PrcgRslt>	[0..1]			206
	Result <Rslt>	[0..1]	CodeSet		206
	OtherResult <OthrRslt>	[0..1]	Text		206

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultDetails <RsltDtls>	[1..1]	Text		207
	ProtectedData <PrctcdData>	[0..*]	±		207
	SupplementaryData <SplmtryData>	[0..*]	±	C1	210
	SecurityTrailer <SctyTrlr>	[0..1]	±		210

11.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "[Header39](#)" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

11.4.2 **Body <Body>**

Presence: [1..1]

Definition: Information related to the initiation of a file action.

Body <Body> contains the following **FileActionInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			199
	Originator <Orgtr>	[0..1]	±		199
	Sender <Sndr>	[0..1]	±		199
	Receiver <Rcvr>	[0..1]	±		199
	Destination <Dstn>	[0..1]	±		200
	Context <Cntxt>	[0..1]			200
	TransactionContext <TxCntxt>	[0..1]			200
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		201
	Transaction <Tx>	[1..1]			201
	MessageReason <MsgRsn>	[0..*]	Text		202
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		202
	TransactionIdentification <Txld>	[1..1]	±		202
	FileActionScope <FileActnScp>	[1..1]	CodeSet		203
	FileActionType <FileActnTp>	[1..1]	CodeSet		203
	OtherFileActionType <OthrFileActnTp>	[0..1]	Text		204
	FileActionDetails <FileActnDtls>	[1..1]			204
	FileName <FileNm>	[1..1]	Text		204
	DataRecord <DataRcrd>	[1..1]	Binary		204
	ActionDate <ActnDt>	[0..1]	Date		205
	FileSecurityCode <FileSctyCd>	[0..1]	Text		205
	AdditionalFees <AddtlFees>	[0..*]	±		205
	AdditionalData <AddtlData>	[0..*]			205
	Type <Tp>	[0..1]	Text		205
	Value <Val>	[0..1]	Text		206
	ProcessingResult <PrcgRslt>	[0..1]			206
	Result <Rslt>	[0..1]	CodeSet		206
	OtherResult <OthrRslt>	[0..1]	Text		206
	ResultDetails <RsltDtls>	[1..1]	Text		207
	ProtectedData <PrctcdData>	[0..*]	±		207
	SupplementaryData <SplmtryData>	[0..*]	±	C1	210

11.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the file action transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		199
	Sender <Sndr>	[0..1]	±		199
	Receiver <Rcvr>	[0..1]	±		199
	Destination <Dstn>	[0..1]	±		200

11.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

11.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

11.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

11.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

11.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			200
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		201

11.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		201

11.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

11.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: File action transaction details.

Transaction <Tx> contains the following **Transaction98** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		202
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		202
	TransactionIdentification <TxId>	[1..1]	±		202
	FileActionScope <FileActnScp>	[1..1]	CodeSet		203
	FileActionType <FileActnTp>	[1..1]	CodeSet		203
	OtherFileActionType <OthrFileActnTp>	[0..1]	Text		204
	FileActionDetails <FileActnDtls>	[1..1]			204
	FileName <FileNm>	[1..1]	Text		204
	DataRecord <DataRcrd>	[1..1]	Binary		204
	ActionDate <ActnDt>	[0..1]	Date		205
	FileSecurityCode <FileSctyCd>	[0..1]	Text		205
	AdditionalFees <AddtlFees>	[0..*]	±		205
	AdditionalData <AddtlData>	[0..*]			205
	Type <Tp>	[0..1]	Text		205
	Value <Val>	[0..1]	Text		206

11.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

11.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

11.4.2.3.3 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

11.4.2.3.4 FileActionScope <FileActnScp>

Presence: [1..1]

Definition: Scope of file action.

Datatype: "[FileActionScope1Code](#)" on page 1486

CodeName	Name	Definition
FILE	File	Action applies to a file
RECD	Record	Action applies to a record

11.4.2.3.5 FileActionType <FileActnTp>

Presence: [1..1]

Definition: Type of file action.

ISO 8583:87 bit 91

Datatype: "[FileActionType1Code](#)" on page 1486

CodeName	Name	Definition
ADDD	Add	Add a new record or file.
DELT	Delete	Delete an existing record or file.
ENQR	Enquire	Request the content of an existing record or file.

CodeName	Name	Definition
OTHN	OtherNational	Other type of file action defined at national level.
OTHP	OtherPrivate	Other type of file action defined at private level.
REPL	Replace	Add a new record or file if none exists or replace an existing record or file if one exists.
UPDT	Update	Update an existing record or file.
BRPT	BulkReplacement	Replacing previously added records.
DLSP	DeleteRecordSystemPurge	System purge.

11.4.2.3.6 OtherFileActionType <OthrFileActnTp>

Presence: [0..1]

Definition: Other file action type in free text.

Datatype: "Max35Text" on page 1539

11.4.2.3.7 FileActionDetails <FileActnDtls>

Presence: [1..1]

Definition: Details pertaining to the file action.

FileActionDetails <FileActnDtls> contains the following **FileActionDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FileName <FileNm>	[1..1]	Text		204
	DataRecord <DataRcrd>	[1..1]	Binary		204
	ActionDate <ActnDt>	[0..1]	Date		205
	FileSecurityCode <FileSctyCd>	[0..1]	Text		205

11.4.2.3.7.1 FileName <FileNm>

Presence: [1..1]

Definition: Identification of the file.

ISO 8583 bit 101

Datatype: "Max140Text" on page 1536

11.4.2.3.7.2 DataRecord <DataRcrd>

Presence: [1..1]

Definition: Content of record to be added, updated, deleted or replaced.

ISO 8583:93/2003 bit 72

Datatype: "Max100KBinary" on page 1452

11.4.2.3.7.3 ActionDate <ActnDt>

Presence: [0..1]

Definition: Date when the file action should be performed.

ISO 8583 bit 73.

Datatype: "ISODate" on page 1530

11.4.2.3.7.4 FileSecurityCode <FileSctyCd>

Presence: [0..1]

Definition: Indicates that the originator of the message is authorised to update the file.

ISO 8583:87 bit 92

Datatype: "Max35Text" on page 1539

11.4.2.3.8 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

11.4.2.3.9 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		205
	Value <Val>	[0..1]	Text		206

11.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

11.4.2.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

11.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Results of the file action processing.

ProcessingResult <PrcgRslt> contains the following **ResultData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		206
	OtherResult <OthrRslt>	[0..1]	Text		206
	ResultDetails <RsltDtls>	[1..1]	Text		207

11.4.2.4.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "FileActionResult1Code" on page 1486

CodeName	Name	Definition
DUPR	DuplicateRecord	Identified record is already present in the file.
FERD	FieldEditError	Invalid record field syntax.
INFD	FieldValueInvalid	Invalid field value in record.
FLCK	FileLocked	File is locked and cannot be modified.
FTER	FormatError	Invalid record format.
NSUP	NotSupported	Requested file action not supported.
OTHR	Other	Other type of file action result
SUCC	Successful	Action performed successfully
UTLR	UnableToLocateRecord	Identified record was not found.
UNKF	UnknownFile	File is unknown.
USUC	Unsuccessful	Action could not be performed.

11.4.2.4.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

11.4.2.4.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

11.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

11.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

11.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

12 cafm.002.001.01 FileActionResponseV01

12.1 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 FileActionResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the protocol management.
- B. Body
Information related to the response to of a file action.
- C. SecurityTrailer
Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

12.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FileActnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		214
	Body <Body>	[1..1]			214
	Environment <Envt>	[1..1]			215
	Originator <Orgtr>	[0..1]	±		216
	Sender <Sndr>	[0..1]	±		216
	Receiver <Rcvr>	[0..1]	±		216
	Destination <Dstn>	[0..1]	±		217
	Context <Cntxt>	[0..1]			217
	TransactionContext <TxCntxt>	[0..1]			217
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		217
	Transaction <Tx>	[1..1]			218
	TransactionIdentification <TxId>	[1..1]	±		218
	AdditionalFees <AddtlFees>	[0..*]	±		219
	AdditionalData <AddtlData>	[0..*]			219
	Type <Tp>	[0..1]	Text		220
	Value <Val>	[0..1]	Text		220
	ProcessingResult <PrcgRslt>	[1..1]			220
	Result <Rslt>	[0..1]	CodeSet		220
	OtherResult <OthrRslt>	[0..1]	Text		221
	ResultDetails <RsltDtls>	[1..1]	Text		221
	ProtectedData <PrctcdData>	[0..*]	±		221
	SupplementaryData <SplmtryData>	[0..*]	±	C1	224
	SecurityTrailer <SctyTrlr>	[0..1]	±		224

12.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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.

Header <Hdr> contains the following elements (see "[Header39](#)" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

12.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the response to of a file action.

Body <Body> contains the following **FileActionResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			215
	Originator <Orgtr>	[0..1]	±		216
	Sender <Sndr>	[0..1]	±		216
	Receiver <Rcvr>	[0..1]	±		216
	Destination <Dstn>	[0..1]	±		217
	Context <Cntxt>	[0..1]			217
	TransactionContext <TxCntxt>	[0..1]			217
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		217
	Transaction <Tx>	[1..1]			218
	TransactionIdentification <TxId>	[1..1]	±		218
	AdditionalFees <AddtlFees>	[0..*]	±		219
	AdditionalData <AddtlData>	[0..*]			219
	Type <Tp>	[0..1]	Text		220
	Value <Val>	[0..1]	Text		220
	ProcessingResult <PrcgRslt>	[1..1]			220
	Result <Rslt>	[0..1]	CodeSet		220
	OtherResult <OthrRslt>	[0..1]	Text		221
	ResultDetails <RsltDtls>	[1..1]	Text		221
	ProtectedData <PrtctdData>	[0..*]	±		221
	SupplementaryData <SplmtryData>	[0..*]	±	C1	224

12.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the file action transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		216
	Sender <Sndr>	[0..1]	±		216
	Receiver <Rcvr>	[0..1]	±		216
	Destination <Dstn>	[0..1]	±		217

12.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

12.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

12.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

12.4.2.1.4 Destination <Dstn>*Presence:* [0..1]*Definition:* Destination of the message.**Destination <Dstn>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

12.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Contains or describes conditions and characteristics of the transaction.**Context <Cntxt>** contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			217
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		217

12.4.2.2.1 TransactionContext <TxCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction.**TransactionContext <TxCntxt>** contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		217

12.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>*Presence:* [0..1]*Definition:* Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

12.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: File action transaction details.

Transaction <Tx> contains the following **Transaction90** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		218
	AdditionalFees <AddtlFees>	[0..*]	±		219
	AdditionalData <AddtlData>	[0..*]			219
	Type <Tp>	[0..1]	Text		220
	Value <Val>	[0..1]	Text		220

12.4.2.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification10](#)" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

12.4.2.3.2 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

12.4.2.3.3 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		220
	Value <Val>	[0..1]	Text		220

12.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

12.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

12.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Results of the file action processing.

ProcessingResult <PrcgRslt> contains the following **ResultData4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		220
	OtherResult <OthrRslt>	[0..1]	Text		221
	ResultDetails <RsltDtls>	[1..1]	Text		221

12.4.2.4.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "FileActionResult1Code" on page 1486

CodeName	Name	Definition
DUPR	DuplicateRecord	Identified record is already present in the file.
FERD	FieldEditError	Invalid record field syntax.
INFD	FieldValueInvalid	Invalid field value in record.
FLCK	FileLocked	File is locked and cannot be modified.
FTER	FormatError	Invalid record format.
NSUP	NotSupported	Requested file action not supported.
OTHR	Other	Other type of file action result

CodeName	Name	Definition
SUCC	Successful	Action performed successfully
UTLR	UnableToLocateRecord	Identified record was not found.
UNKF	UnknownFile	File is unknown.
USUC	Unsuccessful	Action could not be performed.

12.4.2.4.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

12.4.2.4.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

12.4.2.5 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

12.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

12.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

13 cafr.001.001.01 FraudReportingInitiationV01

13.1 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 FraudReportingInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the initiation of the fraud reporting.

C. SecurityTrailer

Trailer of the message containing a MAC.

13.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdRptgInitr>	[1..1]			
	Header <Hdr>	[1..1]	±		228
	Body <Body>	[1..1]			229
	Environment <Envt>	[1..1]			231
	Acquirer <Acqrr>	[0..1]	±		231
	Sender <Sndr>	[0..1]	±		232
	Receiver <Rcvr>	[0..1]	±		232
	Card <Card>	[0..1]	±		232
	Cardholder <Crdhldr>	[0..1]	±		233
	Token <Tkn>	[0..1]	±		233
	Context <Cntxt>	[0..1]			234
	TransactionContext <TxCntxt>	[0..1]			234
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		234
	Transaction <Tx>	[1..1]			235
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		237
	ReportedFraud <RptdFrd>	[1..1]	±		237
	FraudulentTransactionData <FrdIntTxData>	[1..1]			237
	AuthorisationStatus <AuthstnSts>	[0..1]			238
	AuthorisationIndicator <AuthstnInd>	[0..1]	Indicator		238
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		238
	OtherAuthorisationEntity <OthrAuthstnNtty>	[0..1]	Text		239
	DisputeDetails <DsptDtls>	[0..1]			239
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		239
	DisputeCondition <DsptCond>	[0..1]	Text		239
	DisputeReference <DsptRef>	[0..*]	±		240
	MessageReason <MsgRsn>	[0..*]	Text		240
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		240
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		240
	CardNotReceivedDetails <CardNotRcvdDtls>	[0..1]			240
	DateOfCardMailed <DtOfCardMld>	[1..1]	Date		241

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MailingAddress <MlngAdr>	[0..1]	±		241
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		241
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		242
	ValidFrom <VldFr>	[0..1]	Date		242
	CardSecurityCodeIndicator <CardSctyCdInd>	[0..1]	Indicator		242
	CardSecurityCapability <CardSctyCpblty>	[0..*]			242
	Capability <Cpblty>	[1..1]	CodeSet		242
	OtherCapability <OthrCpblty>	[0..1]	Text		243
	CardholderCardName <CrdhldrCardNm>	[0..1]	±		243
	AdditionalFees <AddtlFees>	[0..*]	±		243
	AdditionalInformation <AddtlInf>	[0..*]	±		244
	AdditionalData <AddtlData>	[0..*]			244
	Type <Tp>	[0..1]	Text		244
	Value <Val>	[0..1]	Text		244
	ProtectedData <PrctcdData>	[0..*]	±		244
	SupplementaryData <SplmtryData>	[0..*]	±	C1	247
	SecurityTrailer <SctyTrlr>	[0..1]	±		247

13.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 management of the protocol.

Header <Hdr> contains the following elements (see "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <Xchgld>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

13.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of the fraud reporting.

Body <Body> contains the following **FraudReportingInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			231
	Acquirer <Acqrr>	[0..1]	±		231
	Sender <Sndr>	[0..1]	±		232
	Receiver <Rcvr>	[0..1]	±		232
	Card <Card>	[0..1]	±		232
	Cardholder <Crdhldr>	[0..1]	±		233
	Token <Tkn>	[0..1]	±		233
	Context <Cntxt>	[0..1]			234
	TransactionContext <TxCntxt>	[0..1]			234
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		234
	Transaction <Tx>	[1..1]			235
	FraudTransactionIdentification <FrdTxld>	[1..1]	Text		237
	ReportedFraud <RptdFrd>	[1..1]	±		237
	FraudulentTransactionData <FrdIntTxData>	[1..1]			237
	AuthorisationStatus <AuthstnSts>	[0..1]			238
	AuthorisationIndicator <AuthstnInd>	[0..1]	Indicator		238
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		238
	OtherAuthorisationEntity <OthrAuthstnNtty>	[0..1]	Text		239
	DisputeDetails <DsptDtls>	[0..1]			239
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		239
	DisputeCondition <DsptCond>	[0..1]	Text		239
	DisputeReference <DsptRef>	[0..*]	±		240
	MessageReason <MsgRsn>	[0..*]	Text		240
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		240
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		240
	CardNotReceivedDetails <CardNotRcvdDtls>	[0..1]			240
	DateOfCardMailed <DtOfCardMld>	[1..1]	Date		241
	MailingAddress <MlngAdr>	[0..1]	±		241
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		241
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		242
	ValidFrom <VldFr>	[0..1]	Date		242

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSecurityCodeIndicator <CardSctyCdInd>	[0..1]	Indicator		242
	CardSecurityCapability <CardSctyCpbly>	[0..*]			242
	Capability <Cpbly>	[1..1]	CodeSet		242
	OtherCapability <OthrCpbly>	[0..1]	Text		243
	CardholderCardName <CrdhldrCardNm>	[0..1]	±		243
	AdditionalFees <AddtlFees>	[0..*]	±		243
	AdditionalInformation <AddtlInf>	[0..*]	±		244
	AdditionalData <AddtlData>	[0..*]			244
	Type <Tp>	[0..1]	Text		244
	Value <Val>	[0..1]	Text		244
	ProtectedData <PrtctdData>	[0..*]	±		244
	SupplementaryData <SplmtryData>	[0..*]	±	C1	247

13.4.2.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **Environment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		231
	Sender <Sndr>	[0..1]	±		232
	Receiver <Rcvr>	[0..1]	±		232
	Card <Card>	[0..1]	±		232
	Cardholder <Crdhldr>	[0..1]	±		233
	Token <Tkn>	[0..1]	±		233

13.4.2.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Party in contract with an acceptor to acquire card payment transactions.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

13.4.2.1.2 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 "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

13.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

13.4.2.1.4 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData3](#)" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		887
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrftlldr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

13.4.2.1.5 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "[Cardholder15](#)" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

13.4.2.1.6 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

13.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			234
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		234

13.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		234

13.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

13.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction79** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		237
	ReportedFraud <RptdFrd>	[1..1]	±		237
	FraudulentTransactionData <FrdIntTxData>	[1..1]			237
	AuthorisationStatus <AuthstnSts>	[0..1]			238
	AuthorisationIndicator <AuthstnInd>	[0..1]	Indicator		238
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		238
	OtherAuthorisationEntity <OthrAuthstnNtty>	[0..1]	Text		239
	DisputeDetails <DsptDtls>	[0..1]			239
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		239
	DisputeCondition <DsptCond>	[0..1]	Text		239
	DisputeReference <DsptRef>	[0..*]	±		240
	MessageReason <MsgRsn>	[0..*]	Text		240
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		240
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		240
	CardNotReceivedDetails <CardNotRcvdDtls>	[0..1]			240
	DateOfCardMailed <DtOfCardMld>	[1..1]	Date		241
	MailingAddress <MlngAdr>	[0..1]	±		241
	MailingAddressUnstructured <MlngAdrUstrd>	[0..1]	Text		241
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		242
	ValidFrom <VldFr>	[0..1]	Date		242
	CardSecurityCodeIndicator <CardSctyCdInd>	[0..1]	Indicator		242
	CardSecurityCapability <CardSctyCpblty>	[0..*]			242
	Capability <Cpblty>	[1..1]	CodeSet		242
	OtherCapability <OthrCpblty>	[0..1]	Text		243
	CardholderCardName <CrdblldrCardNm>	[0..1]	±		243
	AdditionalFees <AddtlFees>	[0..*]	±		243
	AdditionalInformation <AddtlInf>	[0..*]	±		244
	AdditionalData <AddtlData>	[0..*]			244
	Type <Tp>	[0..1]	Text		244
	Value <Val>	[0..1]	Text		244

13.4.2.3.1 FraudTransactionIdentification <FrdTxId>*Presence:* [1..1]*Definition:* Identification of the transaction reporting the fraud.*Datatype:* "Max70Text" on page 1541**13.4.2.3.2 ReportedFraud <RptdFrd>***Presence:* [1..1]*Definition:* Fraud reporting type information.**ReportedFraud <RptdFrd>** contains the following elements (see "ReportedFraud1" on page 1142 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudType <FrdTp>	[1..1]	CodeSet		1142
	OtherFraudType <OthrFrdTp>	[0..1]	Text		1143
	FraudReportingAction <FrdRptgActn>	[1..1]	CodeSet		1143
	OtherFraudReportingAction <OthrFrdRptgActn>	[0..1]	Text		1144
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1144
	OtherReportingEntity <OthrRptgNtty>	[0..1]	Text		1144
	CompromisedCredential <CmprmsdCrdntl>	[0..*]	CodeSet		1144
	CardholderReportingDate <CrdhldrRptgDt>	[0..1]	Date		1147
	ConfirmationReportingDate <ConfRptgDt>	[0..1]	Date		1147
	SubmitterCaseReference <SubmitrCaseRef>	[0..1]	Text		1147
	FraudCaseDetails <FrdCaseDtls>	[0..1]			1147
	MarketSegment <MktSgmt>	[0..1]	Text		1148
	LocatorNumber <LctrNb>	[0..1]	Text		1148
	CaseReference <CaseRef>	[0..1]	Text		1148
	ArrestIndicator <ArrstInd>	[0..1]	Indicator		1148
	FraudInvestigationStatus <FrdInvstgtnSts>	[0..1]	Text		1148

13.4.2.3.3 FraudulentTransactionData <FrdIntTxData>*Presence:* [1..1]*Definition:* Data pertaining to fraudulent reported transaction.

FraudulentTransactionData <FrdIntTxData> contains the following **FraudulentTransactionData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationStatus <AuthstnSts>	[0..1]			238
	AuthorisationIndicator <AuthstnInd>	[0..1]	Indicator		238
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		238
	OtherAuthorisationEntity <OthrAuthstnNtty>	[0..1]	Text		239
	DisputeDetails <DsptDtls>	[0..1]			239
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		239
	DisputeCondition <DsptCond>	[0..1]	Text		239
	DisputeReference <DsptRef>	[0..*]	±		240
	MessageReason <MsgRsn>	[0..*]	Text		240
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		240
	FraudulentMessage <FrdIntMsg>	[0..1]	Binary		240

13.4.2.3.3.1 AuthorisationStatus <AuthstnSts>

Presence: [0..1]

Definition: Status of authorisation of the fraudulent transaction.

AuthorisationStatus <AuthstnSts> contains the following **AuthorisationStatus1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationIndicator <AuthstnInd>	[0..1]	Indicator		238
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		238
	OtherAuthorisationEntity <OthrAuthstnNtty>	[0..1]	Text		239

13.4.2.3.3.1.1 AuthorisationIndicator <AuthstnInd>

Presence: [0..1]

Definition: Indicates whether the transaction was authorised or not.

False: transaction was not authorised

True: transaction was authorised

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

13.4.2.3.3.1.2 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Indicates the entity which authorised the transaction (if relevant).

Datatype: "PartyType26Code" on page 1508

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.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

13.4.2.3.1.3 OtherAuthorisationEntity <OthrAuthstnNtty>

Presence: [0..1]

Definition: Other type of authorisation entity.

Datatype: "Max35Text" on page 1539

13.4.2.3.3.2 DisputeDetails <DsptDtls>

Presence: [0..1]

Definition: Details of the dispute if and when relevant.

DisputeDetails <DsptDtls> contains the following **DisputeData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		239
	DisputeCondition <DsptCond>	[0..1]	Text		239
	DisputeReference <DsptRef>	[0..*]	±		240

13.4.2.3.3.2.1 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 1533

13.4.2.3.3.2.2 DisputeCondition <DsptCond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 1539

13.4.2.3.3.2.3 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

13.4.2.3.3.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason for sending the message.

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

Datatype: "Exact4NumericText" on page 1534

13.4.2.3.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

13.4.2.3.3.5 FraudulentMessage <FrdIntMsg>

Presence: [0..1]

Definition: Complete or partial details of the original message identified as fraudulent.

Datatype: "Max100KBinary" on page 1452

13.4.2.3.4 CardNotReceivedDetails <CardNotRcvdDtls>

Presence: [0..1]

Definition: Details of a not-received card.

CardNotReceivedDetails <CardNotRcvdDtls> contains the following **CardNotReceivedDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateOfCardMailed <DtOfCardMld>	[1..1]	Date		241
	MailingAddress <MIngAdr>	[0..1]	±		241
	MailingAddressUnstructured <MIngAdrUstrd>	[0..1]	Text		241
	MailedFromPostalCode <MldFrPstlCd>	[1..1]	Text		242
	ValidFrom <VldFr>	[0..1]	Date		242
	CardSecurityCodeIndicator <CardSctyCdInd>	[0..1]	Indicator		242
	CardSecurityCapability <CardSctyCpblty>	[0..*]			242
	Capability <Cpblty>	[1..1]	CodeSet		242
	OtherCapability <OthrCpblty>	[0..1]	Text		243

13.4.2.3.4.1 DateOfCardMailed <DtOfCardMld>

Presence: [1..1]

Definition: Date of card when mailed to the cardholder.

Datatype: "ISODate" on page 1530

13.4.2.3.4.2 MailingAddress <MIngAdr>

Presence: [0..1]

Definition: Address where card was mailed to.

MailingAddress <MIngAdr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

13.4.2.3.4.3 MailingAddressUnstructured <MIngAdrUstrd>

Presence: [0..1]

Definition: Unstructured mailing address where card was mailed to.

Datatype: "Max256Text" on page 1538

13.4.2.3.4.4 MailedFromPostalCode <MldFrPstlCd>

Presence: [1..1]

Definition: Postal code where the card was mailed from.

Datatype: "Max16Text" on page 1536

13.4.2.3.4.5 ValidFrom <VldFr>

Presence: [0..1]

Definition: Date of the beginning of validation of the card.

Datatype: "ISODate" on page 1530

13.4.2.3.4.6 CardSecurityCodeIndicator <CardSctyCdInd>

Presence: [0..1]

Definition: Indicates whether card provides a Card Security Code.

True: Card provides a Card Security Code.

False: Card does not provide a Card Security Code.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

13.4.2.3.4.7 CardSecurityCapability <CardSctyCpblty>

Presence: [0..*]

Definition: Identifies the security capabilities of the card.

CardSecurityCapability <CardSctyCpblty> contains the following **CardSecurityCapability1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Capability <Cpblty>	[1..1]	CodeSet		242
	OtherCapability <OthrCpblty>	[0..1]	Text		243

13.4.2.3.4.7.1 Capability <Cpblty>

Presence: [1..1]

Definition: Defines the security capability.

Datatype: "CardSecurityCapability1Code" on page 1478

CodeName	Name	Definition
ICCD	ICC	Card contains an integrated circuit card.
MWOS	MagneticStripeWithoutSecurityCode	Card does not contain a card security code in the magstripe

CodeName	Name	Definition
MSWS	MagneticStripeWithSecurityCode	Card contains a card security code in the magstripe
OTHN	OtherNational	Other type of card defined at national level.
OTHP	OtherPrivate	Other type of card defined at private level.
OLPN	OffLinePIN	Off line PIN card

13.4.2.3.4.7.2 OtherCapability <OthrCpblty>

Presence: [0..1]

Definition: Other type of card security capability defined at national or private level.

Datatype: "Max35Text" on page 1539

13.4.2.3.5 CardholderCardName <CrdhldrCardNm>

Presence: [0..1]

Definition: Cardholder name as it appears on the card.

CardholderCardName <CrdhldrCardNm> contains the following elements (see "[CardholderName1](#)" on page 1187 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1188
	GivenName <GvnNm>	[0..1]	Text		1188
	MiddleInitials <MddlInits>	[0..1]	Text		1188
	LastName <LastNm>	[0..1]	Text		1188

13.4.2.3.6 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

13.4.2.3.7 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the settlement report.

AdditionalInformation <AddtlInf> contains the following elements (see ["AdditionalInformation22"](#) on page 1193 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

13.4.2.3.8 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		244
	Value <Val>	[0..1]	Text		244

13.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: ["Max35Text"](#) on page 1539

13.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: ["Max2048Text"](#) on page 1537

13.4.2.4 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

13.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

13.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

14 cafr.002.001.01 FraudReportingResponseV01

14.1 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 FraudReportingResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the initiation of the fraud reporting.

C. SecurityTrailer

Trailer of the message containing a MAC.

14.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdRptgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		251
	Body <Body>	[1..1]			251
	Environment <Envt>	[1..1]			252
	Acquirer <Acqrr>	[0..1]	±		253
	Sender <Sndr>	[0..1]	±		253
	Receiver <Rcvr>	[0..1]	±		253
	Card <Card>	[0..1]	±		254
	Cardholder <Crdhldr>	[0..1]	±		254
	Token <Tkn>	[0..1]	±		254
	Context <Cntxt>	[0..1]			255
	TransactionContext <TxCntxt>	[0..1]			255
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		255
	Transaction <Tx>	[1..1]			256
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		256
	AdditionalFees <AddtlFees>	[0..*]	±		256
	AdditionalData <AddtlData>	[0..*]			256
	Type <Tp>	[0..1]	Text		257
	Value <Val>	[0..1]	Text		257
	ProcessingResult <PrpgRslt>	[1..1]	±		257
	SupplementaryData <SplmtryData>	[0..*]	±	C1	257
	SecurityTrailer <SctyTrlr>	[0..1]	±		258

14.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 management of the protocol.

Header <Hdr> contains the following elements (see "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <Xchgld>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

14.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of the fraud reporting.

Body <Body> contains the following **FraudReportingResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			252
	Acquirer <Acqrr>	[0..1]	±		253
	Sender <Sndr>	[0..1]	±		253
	Receiver <Rcvr>	[0..1]	±		253
	Card <Card>	[0..1]	±		254
	Cardholder <Crdhldr>	[0..1]	±		254
	Token <Tkn>	[0..1]	±		254
	Context <Cntxt>	[0..1]			255
	TransactionContext <TxCntxt>	[0..1]			255
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		255
	Transaction <Tx>	[1..1]			256
	FraudTransactionIdentification <FrdTxld>	[1..1]	Text		256
	AdditionalFees <AddtlFees>	[0..*]	±		256
	AdditionalData <AddtlData>	[0..*]			256
	Type <Tp>	[0..1]	Text		257
	Value <Val>	[0..1]	Text		257
	ProcessingResult <PrcgRslt>	[1..1]	±		257
	SupplementaryData <SplmtryData>	[0..*]	±	C1	257

14.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		253
	Sender <Sndr>	[0..1]	±		253
	Receiver <Rcvr>	[0..1]	±		253
	Card <Card>	[0..1]	±		254
	Cardholder <Crdhldr>	[0..1]	±		254
	Token <Tkn>	[0..1]	±		254

14.4.2.1.1 Acquirer <Acqrr>*Presence:* [0..1]*Definition:* Party in contract with an acceptor to acquire card payment transactions.**Acquirer <Acqrr>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

14.4.2.1.2 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 "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

14.4.2.1.3 Receiver <Rcvr>*Presence:* [0..1]*Definition:* Party receiving the message from the originator or another intermediary agent.**Receiver <Rcvr>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

14.4.2.1.4 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData3](#)" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		887
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefIdr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

14.4.2.1.5 Cardholder <Crdhldr>*Presence:* [0..1]*Definition:* Cardholder performing the card payment transaction.**Cardholder <Crdhldr>** contains the following elements (see "[Cardholder15](#)" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

14.4.2.1.6 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittedInd>	[0..1]	Indicator		1439

14.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			255
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		255

14.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		255

14.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

14.4.2.3 Transaction <Tx>*Presence:* [1..1]*Definition:* Transaction details of fraud reporting response.**Transaction <Tx>** contains the following **Transaction93** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		256
	AdditionalFees <AddtlFees>	[0..*]	±		256
	AdditionalData <AddtlData>	[0..*]			256
	Type <Tp>	[0..1]	Text		257
	Value <Val>	[0..1]	Text		257

14.4.2.3.1 FraudTransactionIdentification <FrdTxId>*Presence:* [1..1]*Definition:* Identification of the transaction reporting the fraud.*Datatype:* "Max70Text" on page 1541**14.4.2.3.2 AdditionalFees <AddtlFees>***Presence:* [0..*]*Definition:* Fees not included in the transaction amount.**AdditionalFees <AddtlFees>** contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

14.4.2.3.3 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		257
	Value <Val>	[0..1]	Text		257

14.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

14.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

14.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the fraud reporting.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

14.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

14.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType20](#)" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtc>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

15 cafr.003.001.01 FraudDispositionInitiationV01

15.1 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 FraudDispositionInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the initiation of the fraud disposition.
- C. SecurityTrailer
 - Trailer of the message containing a MAC.

15.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdDspstnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		261
	Body <Body>	[1..1]			261
	Environment <Envt>	[1..1]			262
	Acquirer <Acqrr>	[0..1]	±		263
	Sender <Sndr>	[0..1]	±		263
	Receiver <Rcvr>	[0..1]	±		263
	Card <Card>	[0..1]	±		264
	Cardholder <Crdhldr>	[0..1]	±		264
	Token <Tkn>	[0..1]	±		265
	Context <Cntxt>	[0..1]			265
	TransactionContext <TxCntxt>	[0..1]			265
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		266
	Transaction <Tx>	[1..1]			266
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		266
	ReportedFraud <RptdFrd>	[1..1]	±		266
	AdditionalFees <AddtlFees>	[0..*]	±		267
	AdditionalInformation <AddtlInf>	[0..*]	±		267
	AdditionalData <AddtlData>	[0..*]			268
	Type <Tp>	[0..1]	Text		268
	Value <Val>	[0..1]	Text		268
	FraudDispositionStatus <FrdDspstnSts>	[1..1]			268
	ActionTaken <ActnTaken>	[1..1]	CodeSet		269
	OtherActionTaken <OthrActnTaken>	[0..1]	Text		269
	ErrorData <ErrData>	[0..*]	Text		269
	WarningData <WrngData>	[0..*]	Text		269
	AdditionalInformation <AddtlInf>	[0..1]	±		269
	SupplementaryData <SplmtryData>	[0..*]	±	C1	270
	SecurityTrailer <SctyTrlr>	[0..1]	±		270

15.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 management of the protocol.

Header <Hdr> contains the following elements (see "[Header48](#)" on [page 1156](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

15.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of the fraud disposition.

Body <Body> contains the following **FraudDispositionInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			262
	Acquirer <Acqrr>	[0..1]	±		263
	Sender <Sndr>	[0..1]	±		263
	Receiver <Rcvr>	[0..1]	±		263
	Card <Card>	[0..1]	±		264
	Cardholder <Crdhldr>	[0..1]	±		264
	Token <Tkn>	[0..1]	±		265
	Context <Cntxt>	[0..1]			265
	TransactionContext <TxCntxt>	[0..1]			265
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		266
	Transaction <Tx>	[1..1]			266
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		266
	ReportedFraud <RptdFrd>	[1..1]	±		266
	AdditionalFees <AddtlFees>	[0..*]	±		267
	AdditionalInformation <AddtlInf>	[0..*]	±		267
	AdditionalData <AddtlData>	[0..*]			268
	Type <Tp>	[0..1]	Text		268
	Value <Val>	[0..1]	Text		268
	FraudDispositionStatus <FrdDspstnSts>	[1..1]			268
	ActionTaken <ActnTaken>	[1..1]	CodeSet		269
	OtherActionTaken <OthrActnTaken>	[0..1]	Text		269
	ErrorData <ErrData>	[0..*]	Text		269
	WarningData <WrngData>	[0..*]	Text		269
	AdditionalInformation <AddtlInf>	[0..1]	±		269
	SupplementaryData <SplmtryData>	[0..*]	±	C1	270

15.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction

Environment <Env> contains the following **Environment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		263
	Sender <Sndr>	[0..1]	±		263
	Receiver <Rcvr>	[0..1]	±		263
	Card <Card>	[0..1]	±		264
	Cardholder <Crhdldr>	[0..1]	±		264
	Token <Tkn>	[0..1]	±		265

15.4.2.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Party in contract with an acceptor to acquire card payment transactions.

Acquirer <Acqrr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

15.4.2.1.2 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 "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

15.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

15.4.2.1.4 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData3" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		887
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefIdr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrtflIdr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

15.4.2.1.5 Cardholder <Crhdldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

15.4.2.1.6 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

15.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			265
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		266

15.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		266

15.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

15.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction80** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		266
	ReportedFraud <RptdFrd>	[1..1]	±		266
	AdditionalFees <AddtlFees>	[0..*]	±		267
	AdditionalInformation <AddtlInf>	[0..*]	±		267
	AdditionalData <AddtlData>	[0..*]			268
	Type <Tp>	[0..1]	Text		268
	Value <Val>	[0..1]	Text		268

15.4.2.3.1 FraudTransactionIdentification <FrdTxId>

Presence: [1..1]

Definition: Identification of the transaction reporting the fraud.

Datatype: "Max70Text" on page 1541

15.4.2.3.2 ReportedFraud <RptdFrd>

Presence: [1..1]

Definition: Fraud reporting type information.

ReportedFraud <RptdFrd> contains the following elements (see ["ReportedFraud2"](#) on page 1149 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudType <FrdTp>	[1..1]	CodeSet		1149
	OtherFraudType <OthrFrdTp>	[0..1]	Text		1150
	FraudReportingAction <FrdRptgActn>	[1..1]	CodeSet		1150
	OtherFraudReportingAction <OthrFrdRptgActn>	[0..1]	Text		1150
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1151
	OtherReportingEntity <OthrRptgNtty>	[0..1]	Text		1151
	SubmitterCaseReference <SubmitrCaseRef>	[0..1]	Text		1151
	CaseReference <CaseRef>	[0..1]	Text		1151

15.4.2.3.3 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

15.4.2.3.4 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the settlement report.

AdditionalInformation <AddtlInf> contains the following elements (see "[AdditionalInformation22](#)" on page 1193 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

15.4.2.3.5 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		268
	Value <Val>	[0..1]	Text		268

15.4.2.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

15.4.2.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

15.4.2.4 FraudDispositionStatus <FrdDspstnSts>

Presence: [1..1]

Definition: Contains the disposition of the previously submitted fraud reporting message.

FraudDispositionStatus <FrdDspstnSts> contains the following **FraudDispositionStatus1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionTaken <ActnTaken>	[1..1]	CodeSet		269
	OtherActionTaken <OthrActnTaken>	[0..1]	Text		269
	ErrorData <ErrData>	[0..*]	Text		269
	WarningData <WrngData>	[0..*]	Text		269
	AdditionalInformation <AddtlInf>	[0..1]	±		269

15.4.2.4.1 ActionTaken <ActnTaken>

Presence: [1..1]

Definition: Indicates the action taken as a disposition of the previously fraud report message.

Datatype: "ActionTaken1Code" on page 1454

CodeName	Name	Definition
ACCP	Accepted	Reported fraud was accepted
OTHN	OtherNational	Reported fraud led to actions defined at national level.
OTHP	OtherPrivate	Reported fraud led to actions defined at private level.
RJCT	Rejected	Reported fraud was rejected.
WARN	Warning	Reported fraud was accepted with warnings.

15.4.2.4.2 OtherActionTaken <OthrActnTaken>

Presence: [0..1]

Definition: Other action taken as defined at national or private level.

Datatype: "Max35Text" on page 1539

15.4.2.4.3 ErrorData <ErrData>

Presence: [0..*]

Definition: Contains errors found in the submitted fraud report message.

Datatype: "Max256Text" on page 1538

15.4.2.4.4 WarningData <WrngData>

Presence: [0..*]

Definition: Contains warnings found in the submitted fraud report message.

Datatype: "Max256Text" on page 1538

15.4.2.4.5 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation22" on page 1193 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

15.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

15.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

16 cafr.004.001.01 FraudDispositionResponseV01

16.1 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 FraudDispositionResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the response of the fraud disposition.
- C. SecurityTrailer
 - Trailer of the message containing a MAC.

16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FrdDspstnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		274
	Body <Body>	[1..1]			274
	Environment <Envnt>	[1..1]			275
	Acquirer <Acqrr>	[0..1]	±		276
	Sender <Sndr>	[0..1]	±		276
	Receiver <Rcvr>	[0..1]	±		276
	Card <Card>	[0..1]	±		277
	Cardholder <Crdhldr>	[0..1]	±		277
	Token <Tkn>	[0..1]	±		277
	Context <Cntxt>	[0..1]			278
	TransactionContext <TxCntxt>	[0..1]			278
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		278
	Transaction <Tx>	[1..1]			279
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		279
	AdditionalFees <AddtlFees>	[0..*]	±		279
	AdditionalData <AddtlData>	[0..*]			279
	Type <Tp>	[0..1]	Text		280
	Value <Val>	[0..1]	Text		280
	ProcessingResult <PrpgRslt>	[1..1]	±		280
	SupplementaryData <SplmtryData>	[0..*]	±	C1	280
	SecurityTrailer <SctyTrlr>	[0..1]	±		281

16.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <Xchgld>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

16.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the response of the fraud disposition.

Body <Body> contains the following **FraudDispositionResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			275
	Acquirer <Acqrr>	[0..1]	±		276
	Sender <Sndr>	[0..1]	±		276
	Receiver <Rcvr>	[0..1]	±		276
	Card <Card>	[0..1]	±		277
	Cardholder <Crdhldr>	[0..1]	±		277
	Token <Tkn>	[0..1]	±		277
	Context <Cntxt>	[0..1]			278
	TransactionContext <TxCntxt>	[0..1]			278
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		278
	Transaction <Tx>	[1..1]			279
	FraudTransactionIdentification <FrdTxld>	[1..1]	Text		279
	AdditionalFees <AddtlFees>	[0..*]	±		279
	AdditionalData <AddtlData>	[0..*]			279
	Type <Tp>	[0..1]	Text		280
	Value <Val>	[0..1]	Text		280
	ProcessingResult <PrcgRslt>	[1..1]	±		280
	SupplementaryData <SplmtryData>	[0..*]	±	C1	280

16.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		276
	Sender <Sndr>	[0..1]	±		276
	Receiver <Rcvr>	[0..1]	±		276
	Card <Card>	[0..1]	±		277
	Cardholder <Crdhldr>	[0..1]	±		277
	Token <Tkn>	[0..1]	±		277

16.4.2.1.1 Acquirer <Acqrr>*Presence:* [0..1]*Definition:* Party in contract with an acceptor to acquire card payment transactions.**Acquirer <Acqrr>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

16.4.2.1.2 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 "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

16.4.2.1.3 Receiver <Rcvr>*Presence:* [0..1]*Definition:* Party receiving the message from the originator or another intermediary agent.**Receiver <Rcvr>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

16.4.2.1.4 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData3](#)" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		887
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefIdr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

16.4.2.1.5 Cardholder <Crdhldr>*Presence:* [0..1]*Definition:* Cardholder performing the card payment transaction.**Cardholder <Crdhldr>** contains the following elements (see "[Cardholder15](#)" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

16.4.2.1.6 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittedInd>	[0..1]	Indicator		1439

16.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			278
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		278

16.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		278

16.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

16.4.2.3 Transaction <Tx>*Presence:* [1..1]*Definition:* contains transaction details of fraud disposition response.**Transaction <Tx>** contains the following **Transaction93** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudTransactionIdentification <FrdTxId>	[1..1]	Text		279
	AdditionalFees <AddtlFees>	[0..*]	±		279
	AdditionalData <AddtlData>	[0..*]			279
	Type <Tp>	[0..1]	Text		280
	Value <Val>	[0..1]	Text		280

16.4.2.3.1 FraudTransactionIdentification <FrdTxId>*Presence:* [1..1]*Definition:* Identification of the transaction reporting the fraud.*Datatype:* "Max70Text" on page 1541**16.4.2.3.2 AdditionalFees <AddtlFees>***Presence:* [0..*]*Definition:* Fees not included in the transaction amount.**AdditionalFees <AddtlFees>** contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

16.4.2.3.3 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		280
	Value <Val>	[0..1]	Text		280

16.4.2.3.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

16.4.2.3.3.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

16.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the fraud reporting.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

16.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

16.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType20](#)" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtc>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitltnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

17 cain.001.001.02

AuthorisationInitiationV02

17.1 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 AuthorisationInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the authorisation initiation.
- C. SecurityTrailer
 - Trailer of the message containing a MAC.

17.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AuthstnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		285
	Body <Body>	[1..1]			285
	Environment <Envt>	[1..1]			287
	Acquirer <Acqrr>	[1..1]	±		288
	Sender <Sndr>	[0..1]	±		288
	Receiver <Rcvr>	[0..1]	±		289
	Acceptor <Accptr>	[0..1]	±		289
	Payer <Pyer>	[0..1]	±		290
	Payee <Pyee>	[0..1]	±		290
	Terminal <Termnl>	[0..1]	±		291
	Card <Card>	[1..1]	±		291
	CustomerDevice <CstmrDvc>	[0..1]	±		292
	Wallet <Wllt>	[0..1]	±		292
	Token <Tkn>	[0..1]	±		293
	Cardholder <Crdhlr>	[0..1]	±		293
	Context <Cntxt>	[1..1]			293
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		294
	TransactionContext <TxCntxt>	[1..1]	±		295
	Verification <Vrfctn>	[0..*]	±		296
	RiskContext <RskCntxt>	[0..*]	±		296
	SaleContext <SaleCntxt>	[0..1]	±		297
	Transaction <Tx>	[1..1]			297
	TransactionType <TxTp>	[1..1]	Text		298
	TransactionSubType <TxSubTp>	[0..1]	Text		299
	AdditionalService <AddtlSvc>	[0..*]	±		299
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		299
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		300
	MessageReason <MsgRsn>	[0..*]	Text		300
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		300

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		300
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		300
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		301
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		301
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		301
	TransactionIdentification <TxId>	[1..1]	±		301
	DisputeData <DsptData>	[0..*]	±		302
	TransactionAmounts <TxAmts>	[1..1]	±		303
	AdditionalAmounts <AddtlAmts>	[0..*]	±		303
	AdditionalFees <AddtlFees>	[0..*]	±		303
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		304
	DepositDetails <DpstDtls>	[0..*]	±		304
	FundsServices <FndsSvcs>	[0..1]	±		305
	AccountFrom <AcctFr>	[0..1]	±		305
	AccountTo <AcctTo>	[0..1]	±		305
	TransactionDescription <TxDesc>	[0..1]	Text		305
	AdditionalData <AddtlData>	[0..*]			306
	Type <Tp>	[0..1]	Text		306
	Value <Val>	[0..1]	Text		306
	AddendumData <AdddmData>	[0..1]	±		306
	ProcessingResult <PrcgRslt>	[0..1]	±		307
	ICCRelatedData <ICCRltdData>	[0..1]	Text		308
	ProtectedData <PrtctdData>	[0..*]	±		308
	SupplementaryData <SplmtryData>	[0..*]	±	C1	311
	SecurityTrailer <SctyTrlr>	[0..1]	±		311

17.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

Must be a valid terrestrial language.

C3 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 "Header42" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

17.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the authorisation initiation.

Body <Body> contains the following **AuthorisationInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			287
	Acquirer <Acqrr>	[1..1]	±		288
	Sender <Sndr>	[0..1]	±		288
	Receiver <Rcvr>	[0..1]	±		289
	Acceptor <Accptr>	[0..1]	±		289
	Payer <Pyer>	[0..1]	±		290
	Payee <Pyee>	[0..1]	±		290
	Terminal <Termnl>	[0..1]	±		291
	Card <Card>	[1..1]	±		291
	CustomerDevice <CstmrDvc>	[0..1]	±		292
	Wallet <Wlt>	[0..1]	±		292
	Token <Tkn>	[0..1]	±		293
	Cardholder <Crhdldr>	[0..1]	±		293
	Context <Cntxt>	[1..1]			293
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		294
	TransactionContext <TxCntxt>	[1..1]	±		295
	Verification <Vrfctn>	[0..*]	±		296
	RiskContext <RskCntxt>	[0..*]	±		296
	SaleContext <SaleCntxt>	[0..1]	±		297
	Transaction <Tx>	[1..1]			297
	TransactionType <TxTp>	[1..1]	Text		298
	TransactionSubType <TxSubTp>	[0..1]	Text		299
	AdditionalService <AddtlSvc>	[0..*]	±		299
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		299
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		300
	MessageReason <MsgRsn>	[0..*]	Text		300
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		300
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		300
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		300
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		301
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		301

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		301
	TransactionIdentification <TxId>	[1..1]	±		301
	DisputeData <DsptData>	[0..*]	±		302
	TransactionAmounts <TxAmts>	[1..1]	±		303
	AdditionalAmounts <AddtlAmts>	[0..*]	±		303
	AdditionalFees <AddtlFees>	[0..*]	±		303
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		304
	DepositDetails <DpstDtls>	[0..*]	±		304
	FundsServices <FndsSvcs>	[0..1]	±		305
	AccountFrom <AcctFr>	[0..1]	±		305
	AccountTo <AcctTo>	[0..1]	±		305
	TransactionDescription <TxDesc>	[0..1]	Text		305
	AdditionalData <AddtlData>	[0..*]			306
	Type <Tp>	[0..1]	Text		306
	Value <Val>	[0..1]	Text		306
	AddendumData <AdddmData>	[0..1]	±		306
	ProcessingResult <PrcgRslt>	[0..1]	±		307
	ICCRelatedData <ICCRltdData>	[0..1]	Text		308
	ProtectedData <PrtctdData>	[0..*]	±		308
	SupplementaryData <SplmtryData>	[0..*]	±	C1	311

17.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Contains or describes the information pertaining to the actors interacting with the transaction.

Environment <Envt> contains the following **Environment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		288
	Sender <Sndr>	[0..1]	±		288
	Receiver <Rcvr>	[0..1]	±		289
	Acceptor <Accptr>	[0..1]	±		289
	Payer <Pyer>	[0..1]	±		290
	Payee <Pyee>	[0..1]	±		290
	Terminal <Termnl>	[0..1]	±		291
	Card <Card>	[1..1]	±		291
	CustomerDevice <CstmrDvc>	[0..1]	±		292
	Wallet <Wlt>	[0..1]	±		292
	Token <Tkn>	[0..1]	±		293
	Cardholder <Crhdldr>	[0..1]	±		293

17.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgrr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

17.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

17.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

17.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

17.4.2.1.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

17.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

ISO 8583:87/93/2003 bit 98

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

17.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal1" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

17.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData1](#)" on page 876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

17.4.2.1.9 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

17.4.2.1.10 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 "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

17.4.2.1.11 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittlnd>	[0..1]	Indicator		1439

17.4.2.1.12 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

17.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		294
	TransactionContext <TxCntxt>	[1..1]	±		295
	Verification <Vrfctn>	[0..*]	±		296
	RiskContext <RskCntxt>	[0..*]	±		296
	SaleContext <SaleCntxt>	[0..1]	±		297

17.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

17.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext1" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

17.4.2.2.3 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification1" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

17.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

17.4.2.2.5 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltPmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

17.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction77** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		298
	TransactionSubType <TxSubTp>	[0..1]	Text		299
	AdditionalService <AddtlSvc>	[0..*]	±		299
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		299
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		300
	MessageReason <MsgRsn>	[0..*]	Text		300
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		300
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		300
	AssociatedDataIndicator <AssocdtdDataInd>	[0..1]	Indicator		300
	AssociatedDataReference <AssocdtdDataRef>	[0..1]	Text		301
	AssociatedDataDestination <AssocdtdDataDstn>	[0..1]	Text		301
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		301
	TransactionIdentification <TxId>	[1..1]	±		301
	DisputeData <DsptData>	[0..*]	±		302
	TransactionAmounts <TxAmts>	[1..1]	±		303
	AdditionalAmounts <AddtlAmts>	[0..*]	±		303
	AdditionalFees <AddtlFees>	[0..*]	±		303
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		304
	DepositDetails <DpstDtls>	[0..*]	±		304
	FundsServices <FndsSvcs>	[0..1]	±		305
	AccountFrom <AcctFr>	[0..1]	±		305
	AccountTo <AcctTo>	[0..1]	±		305
	TransactionDescription <TxDesc>	[0..1]	Text		305
	AdditionalData <AddtlData>	[0..*]			306
	Type <Tp>	[0..1]	Text		306
	Value <Val>	[0..1]	Text		306

17.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

17.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

17.4.2.3.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

17.4.2.3.4 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.

CodeName	Name	Definition
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

17.4.2.3.5 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

17.4.2.3.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

17.4.2.3.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

17.4.2.3.8 PreAuthorisationTimeLimit <PreAuthstnTmLmt>

Presence: [0..1]

Definition: Contains the period (expressed in minutes) within which a merchant is expected to complete the transaction.

ISO8583:1993 and ISO 8583:2003 Bit 57

Datatype: "Max6NumericText" on page 1541

17.4.2.3.9 AssociatedDataIndicator <AssocdDataInd>

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 1530):

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

17.4.2.3.10 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: ["Max70Text"](#) on page 1541

17.4.2.3.11 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: ["Max35Text"](#) on page 1539

17.4.2.3.12 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see ["SpecialProgrammeQualification1"](#) on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

17.4.2.3.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

17.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

17.4.2.3.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

17.4.2.3.16 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Lbl>	[0..1]	Text		843

17.4.2.3.17 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

17.4.2.3.18 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

ISO 8583:93/2003 bit 66

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

17.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see "[DepositDetails1](#)" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1136
	OtherType <OthrTp>	[0..1]	Text		1136
	Amount <Amt>	[0..1]	±		1136

17.4.2.3.20 FundsServices <FndsSvcs>*Presence:* [0..1]*Definition:* Financial services related to the account.**FundsServices <FndsSvcs>** contains the following elements (see "[FundingService1](#)" on page 1313 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

17.4.2.3.21 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

17.4.2.3.22 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

17.4.2.3.23 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 1534

17.4.2.3.24 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		306
	Value <Val>	[0..1]	Text		306

17.4.2.3.24.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

17.4.2.3.24.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

17.4.2.4 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 "AddendumData1" on page 891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		891
	OtherPurchaseIdentifierType <OthrPurchsldrTp>	[0..1]	Text		892
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		892
	AdditionalAcceptorData <AddtlAccptrData>	[0..1]	±		892
	Customer <Cstmr>	[0..1]	±		893
	Sale <Sale>	[0..1]	±		894
	Fleet <Fleet>	[0..1]	±		894
	Invoice <Invc>	[0..1]	±		894
	TravelAgency <TrvlAgcy>	[0..1]	±		895
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		895
	VehicleRental <VhclRntl>	[0..*]	±		895
	Lodging <Ldgg>	[0..*]	±		896
	ShippingData <ShppgData>	[0..1]	±		896
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		897
	TemporaryServices <TempSvcs>	[0..*]	±		897
	Instalment <Instlmt>	[0..1]	±		898
	AdditionalData <AddtlData>	[0..*]			898
	Type <Tp>	[0..1]	Text		899
	Value <Val>	[0..1]	Text		899

17.4.2.5 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsItData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsItData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

17.4.2.6 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 1534

17.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

17.4.2.8 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

17.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

18 cain.002.001.02

AuthorisationResponseV02

18.1 MessageDefinition Functionality

The AuthorisationResponse message is sent by an issuer or an agent to an acquirer in response to an AuthorisationInitiation message.

Outline

The AuthorisationResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the authorisation response.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

18.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AuthstnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		315
	Body <Body>	[1..1]			316
	Environment <Envt>	[1..1]			318
	Acquirer <Acqrr>	[1..1]	±		318
	Sender <Sndr>	[0..1]	±		319
	Receiver <Rcvr>	[0..1]	±		319
	Acceptor <Accptr>	[0..1]	±		320
	Terminal <Termnl>	[0..1]	±		320
	Card <Card>	[0..1]	±		320
	Wallet <Wllt>	[0..1]	±		321
	Token <Tkn>	[0..1]	±		321
	Context <Cntxt>	[0..1]			322
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		322
	TransactionContext <TxCntxt>	[0..1]	±		323
	Verification <Vrfctn>	[0..*]	±		324
	RiskContext <RskCntxt>	[0..1]	±		324
	Transaction <Tx>	[1..1]			324
	TransactionType <TxTp>	[1..1]	Text		325
	TransactionSubType <TxSubTp>	[0..1]	Text		325
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		325
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		326
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		326
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		327
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		327
	TransactionIdentification <TxId>	[1..1]	±		327
	TransactionAmounts <TxAmts>	[1..1]	±		328
	AdditionalAmounts <AddtlAmts>	[0..*]	±		328
	AdditionalFees <AddtlFees>	[0..*]	±		329
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		329

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBalance <AcctBal>	[0..*]	±		330
	AccountFrom <AcctFr>	[0..1]	±		330
	AccountTo <AcctTo>	[0..1]	±		330
	TransactionDescription <TxDesc>	[0..1]	Text		331
	AdditionalData <AddtlData>	[0..*]			331
	Type <Tp>	[0..1]	Text		331
	Value <Val>	[0..1]	Text		331
	AddendumData <AdddmData>	[0..1]	±		331
	ProcessingResult <PrcgRslt>	[1..1]	±		332
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		332
	ProtectedData <PrtctdData>	[0..*]	±		332
	SupplementaryData <SplmtryData>	[0..*]	±	C1	335
	SecurityTrailer <SctyTrlr>	[0..1]	±		335

18.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header42" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

18.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the authorisation response.

Body <Body> contains the following **AuthorisationResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			318
	Acquirer <Acqrr>	[1..1]	±		318
	Sender <Sndr>	[0..1]	±		319
	Receiver <Rcvr>	[0..1]	±		319
	Acceptor <Accptr>	[0..1]	±		320
	Terminal <Termnl>	[0..1]	±		320
	Card <Card>	[0..1]	±		320
	Wallet <Wllt>	[0..1]	±		321
	Token <Tkn>	[0..1]	±		321
	Context <Cntxt>	[0..1]			322
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		322
	TransactionContext <TxCntxt>	[0..1]	±		323
	Verification <Vrfctn>	[0..*]	±		324
	RiskContext <RskCntxt>	[0..1]	±		324
	Transaction <Tx>	[1..1]			324
	TransactionType <TxTp>	[1..1]	Text		325
	TransactionSubType <TxSubTp>	[0..1]	Text		325
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		325
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		326
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		326
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		327
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		327
	TransactionIdentification <TxId>	[1..1]	±		327
	TransactionAmounts <TxAmts>	[1..1]	±		328
	AdditionalAmounts <AddtlAmts>	[0..*]	±		328
	AdditionalFees <AddtlFees>	[0..*]	±		329
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		329
	AccountBalance <AcctBal>	[0..*]	±		330
	AccountFrom <AcctFr>	[0..1]	±		330
	AccountTo <AcctTo>	[0..1]	±		330
	TransactionDescription <TxDesc>	[0..1]	Text		331

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..*]			331
	Type <Tp>	[0..1]	Text		331
	Value <Val>	[0..1]	Text		331
	AddendumData <AdddmData>	[0..1]	±		331
	ProcessingResult <PrpgRslt>	[1..1]	±		332
	ICCRelatedData <ICCRltdData>	[0..1]	Text		332
	ProtectedData <PrctcdData>	[0..*]	±		332
	SupplementaryData <SplmtryData>	[0..*]	±	C1	335

18.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		318
	Sender <Sndr>	[0..1]	±		319
	Receiver <Rcvr>	[0..1]	±		319
	Acceptor <Accptr>	[0..1]	±		320
	Terminal <Termnl>	[0..1]	±		320
	Card <Card>	[0..1]	±		320
	Wallet <Wlft>	[0..1]	±		321
	Token <Tkn>	[0..1]	±		321

18.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Party in a contractual relationship with an acceptor to acquire card payment transactions.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

18.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

18.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

18.4.2.1.4 Acceptor <Accptr>*Presence:* [0..1]*Definition:* Card acceptor performing the card transaction.**Acceptor <Accptr>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

18.4.2.1.5 Terminal <Termnl>*Presence:* [0..1]*Definition:* Payment terminal or ATM performing the transaction.**Terminal <Termnl>** contains the following elements (see "[Terminal2](#)" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

18.4.2.1.6 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData4](#)" on page 883 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		884
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

18.4.2.1.7 Wallet <Wlt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "[Wallet1](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

18.4.2.1.8 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

18.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		322
	TransactionContext <TxCntxt>	[0..1]	±		323
	Verification <Vrfctn>	[0..*]	±		324
	RiskContext <RskCntxt>	[0..1]	±		324

18.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

18.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

18.4.2.2.3 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 "[Verification2](#)" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

18.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

18.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction78** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		325
	TransactionSubType <TxSubTp>	[0..1]	Text		325
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		325
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		326
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		326
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		327
	SpecialProgrammeQualification <SpclPrgrmmQlfcctn>	[0..*]	±		327
	TransactionIdentification <TxId>	[1..1]	±		327
	TransactionAmounts <TxAmts>	[1..1]	±		328
	AdditionalAmounts <AddtlAmts>	[0..*]	±		328
	AdditionalFees <AddtlFees>	[0..*]	±		329
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		329
	AccountBalance <AcctBal>	[0..*]	±		330
	AccountFrom <AcctFr>	[0..1]	±		330
	AccountTo <AcctTo>	[0..1]	±		330
	TransactionDescription <TxDesc>	[0..1]	Text		331
	AdditionalData <AddtlData>	[0..*]			331
	Type <Tp>	[0..1]	Text		331
	Value <Val>	[0..1]	Text		331

18.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

18.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

18.4.2.3.3 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

18.4.2.3.4 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

18.4.2.3.5 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 1541

18.4.2.3.6 AssociatedDataDestination <AssoctdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1539

18.4.2.3.7 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfctn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

18.4.2.3.8 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

18.4.2.3.9 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

18.4.2.3.10 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Labl>	[0..1]	Text		843

18.4.2.3.11 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

18.4.2.3.12 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

18.4.2.3.13 AccountBalance <AcctBal>*Presence:* [0..*]*Definition:* Balance of the account involved in the card transaction.**AccountBalance <AcctBal>** contains the following elements (see "[AccountBalance1](#)" on page 864 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	Text		864
	Balance <Bal>	[0..*]			864
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrdhldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

18.4.2.3.14 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

18.4.2.3.15 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

18.4.2.3.16 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

18.4.2.3.17 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		331
	Value <Val>	[0..1]	Text		331

18.4.2.3.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

18.4.2.3.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

18.4.2.4 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 ["AddendumData2"](#) on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Fleet <Fleet>	[0..1]	±		1132
	AdditionalData <AddtlData>	[0..*]			1132
	Type <Tp>	[0..1]	Text		1132
	Value <Val>	[0..1]	Text		1132

18.4.2.5 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see ["ProcessingResult2"](#) on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

18.4.2.6 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 1534

18.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

18.4.2.8 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

18.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

19 **cain.003.001.02**

FinancialInitiationV02

19.1 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 FinancialInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the financial initiation.
- C. SecurityTrailer
Trailer of the message containing a MAC

19.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FinInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		340
	Body <Body>	[1..1]			340
	Environment <Envt>	[1..1]			342
	Acquirer <Acqrr>	[1..1]	±		343
	Sender <Sndr>	[0..1]	±		343
	Receiver <Rcvr>	[0..1]	±		344
	Acceptor <Accptr>	[0..1]	±		344
	Payer <Pyer>	[0..1]	±		345
	Payee <Pyee>	[0..1]	±		345
	Terminal <Termnl>	[0..1]	±		346
	Card <Card>	[1..1]	±		346
	CustomerDevice <CstmrDvc>	[0..1]	±		347
	Wallet <Wllt>	[0..1]	±		347
	Token <Tkn>	[0..1]	±		348
	Cardholder <Crdhldr>	[0..1]	±		348
	Context <Cntxt>	[1..1]			348
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		349
	TransactionContext <TxCntxt>	[1..1]	±		350
	Verification <Vrfctn>	[0..*]	±		351
	RiskContext <RskCntxt>	[0..*]	±		351
	SaleContext <SaleCntxt>	[0..1]	±		352
	Transaction <Tx>	[1..1]			352
	TransactionType <TxTp>	[1..1]	Text		353
	TransactionSubType <TxSubTp>	[0..1]	Text		354
	AdditionalService <AddtlSvc>	[0..*]	±		354
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		354
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		355
	MessageReason <MsgRsn>	[0..*]	Text		355
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		355

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		355
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		355
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		356
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		356
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		356
	TransactionIdentification <TxId>	[1..1]	±		356
	DisputeData <DsptData>	[0..*]	±		357
	TransactionAmounts <TxAmts>	[1..1]	±		358
	AdditionalAmounts <AddtlAmts>	[0..*]	±		358
	AdditionalFees <AddtlFees>	[0..*]	±		358
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		359
	DepositDetails <DpstDtls>	[0..*]	±		359
	FundsServices <FndsSvcs>	[0..1]	±		360
	AccountFrom <AcctFr>	[0..1]	±		360
	AccountTo <AcctTo>	[0..1]	±		360
	TransactionDescription <TxDesc>	[0..1]	Text		360
	AdditionalData <AddtlData>	[0..*]			361
	Type <Tp>	[0..1]	Text		361
	Value <Val>	[0..1]	Text		361
	AddendumData <AdddmData>	[0..1]	±		361
	ProcessingResult <PrcgRslt>	[0..1]	±		362
	ICCRelatedData <ICCRltdData>	[0..1]	Text		363
	ProtectedData <PrtctdData>	[0..*]	±		363
	SupplementaryData <SplmtryData>	[0..*]	±	C1	366
	SecurityTrailer <SctyTrlr>	[0..1]	±		366

19.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

Must be a valid terrestrial language.

C3 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 "Header42" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

19.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the financial initiation.

Body <Body> contains the following **FinancialInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			342
	Acquirer <Acqrr>	[1..1]	±		343
	Sender <Sndr>	[0..1]	±		343
	Receiver <Rcvr>	[0..1]	±		344
	Acceptor <Accptr>	[0..1]	±		344
	Payer <Pyer>	[0..1]	±		345
	Payee <Pyee>	[0..1]	±		345
	Terminal <Termnl>	[0..1]	±		346
	Card <Card>	[1..1]	±		346
	CustomerDevice <CstmrDvc>	[0..1]	±		347
	Wallet <Wlt>	[0..1]	±		347
	Token <Tkn>	[0..1]	±		348
	Cardholder <Crhdldr>	[0..1]	±		348
	Context <Cntxt>	[1..1]			348
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		349
	TransactionContext <TxCntxt>	[1..1]	±		350
	Verification <Vrfctn>	[0..*]	±		351
	RiskContext <RskCntxt>	[0..*]	±		351
	SaleContext <SaleCntxt>	[0..1]	±		352
	Transaction <Tx>	[1..1]			352
	TransactionType <TxTp>	[1..1]	Text		353
	TransactionSubType <TxSubTp>	[0..1]	Text		354
	AdditionalService <AddtlSvc>	[0..*]	±		354
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		354
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		355
	MessageReason <MsgRsn>	[0..*]	Text		355
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		355
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		355
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		355
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		356
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		356

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		356
	TransactionIdentification <TxId>	[1..1]	±		356
	DisputeData <DsptData>	[0..*]	±		357
	TransactionAmounts <TxAmts>	[1..1]	±		358
	AdditionalAmounts <AddtlAmts>	[0..*]	±		358
	AdditionalFees <AddtlFees>	[0..*]	±		358
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		359
	DepositDetails <DpstDtls>	[0..*]	±		359
	FundsServices <FndsSvcs>	[0..1]	±		360
	AccountFrom <AcctFr>	[0..1]	±		360
	AccountTo <AcctTo>	[0..1]	±		360
	TransactionDescription <TxDesc>	[0..1]	Text		360
	AdditionalData <AddtlData>	[0..*]			361
	Type <Tp>	[0..1]	Text		361
	Value <Val>	[0..1]	Text		361
	AddendumData <AdddmData>	[0..1]	±		361
	ProcessingResult <PrcgRslt>	[0..1]	±		362
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		363
	ProtectedData <PrtctdData>	[0..*]	±		363
	SupplementaryData <SplmtryData>	[0..*]	±	C1	366

19.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		343
	Sender <Sndr>	[0..1]	±		343
	Receiver <Rcvr>	[0..1]	±		344
	Acceptor <Accptr>	[0..1]	±		344
	Payer <Pyer>	[0..1]	±		345
	Payee <Pyee>	[0..1]	±		345
	Terminal <Termnl>	[0..1]	±		346
	Card <Card>	[1..1]	±		346
	CustomerDevice <CstmrDvc>	[0..1]	±		347
	Wallet <Wllt>	[0..1]	±		347
	Token <Tkn>	[0..1]	±		348
	Cardholder <Crdhldr>	[0..1]	±		348

19.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgrr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

19.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

19.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

19.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrcht>	[0..*]	±		1223

19.4.2.1.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

19.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

ISO 8583:87/93/2003 bit 98

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

19.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal1" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

19.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData1](#)" on page 876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

19.4.2.1.9 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

19.4.2.1.10 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 "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

19.4.2.1.11 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

19.4.2.1.12 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

19.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		349
	TransactionContext <TxCntxt>	[1..1]	±		350
	Verification <Vrfctn>	[0..*]	±		351
	RiskContext <RskCntxt>	[0..*]	±		351
	SaleContext <SaleCntxt>	[0..1]	±		352

19.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

19.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext1" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

19.4.2.2.3 Verification <Vrfctn>

Presence: [0..*]

Definition: Contain validation result and/or data to be validated.

Verification <Vrfctn> contains the following elements (see "Verification1" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

19.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..*]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

19.4.2.2.5 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltpmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

19.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which a financial process is requested.

Transaction <Tx> contains the following **Transaction77** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		353
	TransactionSubType <TxSubTp>	[0..1]	Text		354
	AdditionalService <AddtlSvc>	[0..*]	±		354
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		354
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		355
	MessageReason <MsgRsn>	[0..*]	Text		355
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		355
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		355
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		355
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		356
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		356
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		356
	TransactionIdentification <TxId>	[1..1]	±		356
	DisputeData <DsptData>	[0..*]	±		357
	TransactionAmounts <TxAmts>	[1..1]	±		358
	AdditionalAmounts <AddtlAmts>	[0..*]	±		358
	AdditionalFees <AddtlFees>	[0..*]	±		358
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		359
	DepositDetails <DpstDtls>	[0..*]	±		359
	FundsServices <FndsSvcs>	[0..1]	±		360
	AccountFrom <AcctFr>	[0..1]	±		360
	AccountTo <AcctTo>	[0..1]	±		360
	TransactionDescription <TxDesc>	[0..1]	Text		360
	AdditionalData <AddtlData>	[0..*]			361
	Type <Tp>	[0..1]	Text		361
	Value <Val>	[0..1]	Text		361

19.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

19.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

19.4.2.3.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

19.4.2.3.4 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.

CodeName	Name	Definition
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

19.4.2.3.5 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

19.4.2.3.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

19.4.2.3.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

19.4.2.3.8 PreAuthorisationTimeLimit <PreAuthstnTmLmt>

Presence: [0..1]

Definition: Contains the period (expressed in minutes) within which a merchant is expected to complete the transaction.

ISO8583:1993 and ISO 8583:2003 Bit 57

Datatype: "Max6NumericText" on page 1541

19.4.2.3.9 AssociatedDataIndicator <AssocdDataInd>

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 1530):

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

19.4.2.3.10 AssociatedDataReference <AssocdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 1541

19.4.2.3.11 AssociatedDataDestination <AssocdDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1539

19.4.2.3.12 SpecialProgrammeQualification <SpclPrgrmmQlfcfn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcfn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

19.4.2.3.13 TransactionIdentification <Txld>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

19.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

19.4.2.3.15 TransactionAmounts <TxAmts>*Presence:* [1..1]*Definition:* Amounts of the card transaction.**TransactionAmounts <TxAmts>** contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

19.4.2.3.16 AdditionalAmounts <AddtlAmts>*Presence:* [0..*]*Definition:* Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Lbl>	[0..1]	Text		843

19.4.2.3.17 AdditionalFees <AddtlFees>*Presence:* [0..*]*Definition:* Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

19.4.2.3.18 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

ISO 8583:93/2003 bit 66

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

19.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see ["DepositDetails1"](#) on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1136
	OtherType <OthrTp>	[0..1]	Text		1136
	Amount <Amt>	[0..1]	±		1136

19.4.2.3.20 FundsServices <FndsSvcs>*Presence:* [0..1]*Definition:* Financial services related to the account.**FundsServices <FndsSvcs>** contains the following elements (see "[FundingService1](#)" on page 1313 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

19.4.2.3.21 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

19.4.2.3.22 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

19.4.2.3.23 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 1534

19.4.2.3.24 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		361
	Value <Val>	[0..1]	Text		361

19.4.2.3.24.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

19.4.2.3.24.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

19.4.2.4 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 "AddendumData1" on page 891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		891
	OtherPurchaseIdentifierType <OthrPurchsldrTp>	[0..1]	Text		892
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		892
	AdditionalAcceptorData <AddtlAccptrData>	[0..1]	±		892
	Customer <Cstmr>	[0..1]	±		893
	Sale <Sale>	[0..1]	±		894
	Fleet <Fleet>	[0..1]	±		894
	Invoice <Invc>	[0..1]	±		894
	TravelAgency <TrvlAgcy>	[0..1]	±		895
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		895
	VehicleRental <VhclRntl>	[0..*]	±		895
	Lodging <Ldgg>	[0..*]	±		896
	ShippingData <ShppgData>	[0..1]	±		896
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		897
	TemporaryServices <TempSvcs>	[0..*]	±		897
	Instalment <Instlmt>	[0..1]	±		898
	AdditionalData <AddtlData>	[0..*]			898
	Type <Tp>	[0..1]	Text		899
	Value <Val>	[0..1]	Text		899

19.4.2.5 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsItData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsItData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

19.4.2.6 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 1534

19.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

19.4.2.8 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

19.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

20 cain.004.001.02

FinancialResponseV02

20.1 MessageDefinition Functionality

The FinancialResponse message is sent by an issuer or an agent to an acquirer in response to a FinancialInitiation message.

Outline

The FinancialResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the financial response.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

20.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <FinRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		370
	Body <Body>	[1..1]			371
	Environment <Envt>	[1..1]			373
	Acquirer <Acqrr>	[1..1]	±		373
	Sender <Sndr>	[0..1]	±		374
	Receiver <Rcvr>	[0..1]	±		374
	Acceptor <Accptr>	[0..1]	±		375
	Terminal <Termnl>	[0..1]	±		375
	Card <Card>	[0..1]	±		375
	Wallet <Wllt>	[0..1]	±		376
	Token <Tkn>	[0..1]	±		376
	Context <Cntxt>	[1..1]			377
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		377
	TransactionContext <TxCntxt>	[0..1]	±		378
	Verification <Vrfctn>	[0..*]	±		379
	RiskContext <RskCntxt>	[0..1]	±		379
	Transaction <Tx>	[1..1]			379
	TransactionType <TxTp>	[1..1]	Text		380
	TransactionSubType <TxSubTp>	[0..1]	Text		380
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		380
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		381
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		381
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		382
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		382
	TransactionIdentification <TxId>	[1..1]	±		382
	TransactionAmounts <TxAmts>	[1..1]	±		383
	AdditionalAmounts <AddtlAmts>	[0..*]	±		383
	AdditionalFees <AddtlFees>	[0..*]	±		384
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		384

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountBalance <AcctBal>	[0..*]	±		385
	AccountFrom <AcctFr>	[0..1]	±		385
	AccountTo <AcctTo>	[0..1]	±		385
	TransactionDescription <TxDesc>	[0..1]	Text		386
	AdditionalData <AddtlData>	[0..*]			386
	Type <Tp>	[0..1]	Text		386
	Value <Val>	[0..1]	Text		386
	AddendumData <AdddmData>	[0..1]	±		386
	ProcessingResult <PrcgRslt>	[1..1]	±		387
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		387
	ProtectedData <PrtctdData>	[0..*]	±		387
	SupplementaryData <SplmtryData>	[0..*]	±	C1	390
	SecurityTrailer <SctyTrlr>	[0..1]	±		390

20.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 "Header42" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

20.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the financial response.

Body <Body> contains the following **FinancialResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			373
	Acquirer <Acqrr>	[1..1]	±		373
	Sender <Sndr>	[0..1]	±		374
	Receiver <Rcvr>	[0..1]	±		374
	Acceptor <Accptr>	[0..1]	±		375
	Terminal <Termnl>	[0..1]	±		375
	Card <Card>	[0..1]	±		375
	Wallet <Wllt>	[0..1]	±		376
	Token <Tkn>	[0..1]	±		376
	Context <Cntxt>	[1..1]			377
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		377
	TransactionContext <TxCntxt>	[0..1]	±		378
	Verification <Vrfctn>	[0..*]	±		379
	RiskContext <RskCntxt>	[0..1]	±		379
	Transaction <Tx>	[1..1]			379
	TransactionType <TxTp>	[1..1]	Text		380
	TransactionSubType <TxSubTp>	[0..1]	Text		380
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		380
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		381
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		381
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		382
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		382
	TransactionIdentification <TxId>	[1..1]	±		382
	TransactionAmounts <TxAmts>	[1..1]	±		383
	AdditionalAmounts <AddtlAmts>	[0..*]	±		383
	AdditionalFees <AddtlFees>	[0..*]	±		384
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		384
	AccountBalance <AcctBal>	[0..*]	±		385
	AccountFrom <AcctFr>	[0..1]	±		385
	AccountTo <AcctTo>	[0..1]	±		385
	TransactionDescription <TxDesc>	[0..1]	Text		386

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..*]			386
	Type <Tp>	[0..1]	Text		386
	Value <Val>	[0..1]	Text		386
	AddendumData <AdddmData>	[0..1]	±		386
	ProcessingResult <PrpgRslt>	[1..1]	±		387
	ICCRelatedData <ICCRltdData>	[0..1]	Text		387
	ProtectedData <PrctcdData>	[0..*]	±		387
	SupplementaryData <SplmtryData>	[0..*]	±	C1	390

20.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		373
	Sender <Sndr>	[0..1]	±		374
	Receiver <Rcvr>	[0..1]	±		374
	Acceptor <Accptr>	[0..1]	±		375
	Terminal <Termnl>	[0..1]	±		375
	Card <Card>	[0..1]	±		375
	Wallet <Wlft>	[0..1]	±		376
	Token <Tkn>	[0..1]	±		376

20.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Party in a contractual relationship with an acceptor to acquire card payment transactions.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

20.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

20.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

20.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

20.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "[Terminal2](#)" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

20.4.2.1.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData4](#)" on page 883 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		884
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

20.4.2.1.7 Wallet <Wlt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "[Wallet1](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

20.4.2.1.8 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittedInd>	[0..1]	Indicator		1439

20.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		377
	TransactionContext <TxCntxt>	[0..1]	±		378
	Verification <Vrfctn>	[0..*]	±		379
	RiskContext <RskCntxt>	[0..1]	±		379

20.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrhdldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrhdldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

20.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

20.4.2.2.3 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 "[Verification2](#)" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

20.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

20.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction78** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		380
	TransactionSubType <TxSubTp>	[0..1]	Text		380
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		380
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		381
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		381
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		382
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		382
	TransactionIdentification <TxId>	[1..1]	±		382
	TransactionAmounts <TxAmts>	[1..1]	±		383
	AdditionalAmounts <AddtlAmts>	[0..*]	±		383
	AdditionalFees <AddtlFees>	[0..*]	±		384
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		384
	AccountBalance <AcctBal>	[0..*]	±		385
	AccountFrom <AcctFr>	[0..1]	±		385
	AccountTo <AcctTo>	[0..1]	±		385
	TransactionDescription <TxDesc>	[0..1]	Text		386
	AdditionalData <AddtlData>	[0..*]			386
	Type <Tp>	[0..1]	Text		386
	Value <Val>	[0..1]	Text		386

20.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

20.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

20.4.2.3.3 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

20.4.2.3.4 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

20.4.2.3.5 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 1541

20.4.2.3.6 AssociatedDataDestination <AssocDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1539

20.4.2.3.7 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

20.4.2.3.8 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

20.4.2.3.9 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

20.4.2.3.10 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Lbl>	[0..1]	Text		843

20.4.2.3.11 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

20.4.2.3.12 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

20.4.2.3.13 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of the account involved in the card transaction.

AccountBalance <AcctBal> contains the following elements (see "[AccountBalance1](#)" on page 864 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	Text		864
	Balance <Bal>	[0..*]			864
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrhdldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

20.4.2.3.14 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

20.4.2.3.15 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

20.4.2.3.16 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

20.4.2.3.17 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		386
	Value <Val>	[0..1]	Text		386

20.4.2.3.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

20.4.2.3.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

20.4.2.4 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 ["AddendumData2"](#) on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Fleet <Fleet>	[0..1]	±		1132
	AdditionalData <AddtlData>	[0..*]			1132
	Type <Tp>	[0..1]	Text		1132
	Value <Val>	[0..1]	Text		1132

20.4.2.5 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see ["ProcessingResult2"](#) on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

20.4.2.6 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 1534

20.4.2.7 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

20.4.2.8 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

20.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

21 cain.005.001.02

ReversalInitiationV02

21.1 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 ReversalInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the reversal of an authorisation or financial transaction.

C. SecurityTrailer

Trailer of the message containing a MAC

21.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RvslInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		394
	Body <Body>	[1..1]			395
	Environment <Envt>	[1..1]			397
	Acquirer <Acqrr>	[1..1]	±		398
	Sender <Sndr>	[0..1]	±		398
	Receiver <Rcvr>	[0..1]	±		398
	Acceptor <Accptr>	[0..1]	±		399
	Payer <Pyer>	[0..1]	±		399
	Payee <Pyee>	[0..1]	±		400
	Terminal <Termnl>	[0..1]	±		400
	Card <Card>	[1..1]	±		400
	Wallet <Wllt>	[0..1]	±		401
	Token <Tkn>	[0..1]	±		401
	Context <Cntxt>	[0..1]			401
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		401
	TransactionContext <TxCntxt>	[0..1]	±		402
	Transaction <Tx>	[1..1]			403
	TransactionType <TxTp>	[1..1]	Text		404
	TransactionSubType <TxSubTp>	[0..1]	Text		405
	AdditionalService <AddtlSvc>	[0..*]	±		405
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		405
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		406
	MessageReason <MsgRsn>	[0..*]	Text		406
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		406
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		406
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		406
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		407
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		407
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		407

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		407
	DisputeData <DsptData>	[0..*]	±		408
	TransactionAmounts <TxAmts>	[1..1]	±		409
	AdditionalAmounts <AddtlAmts>	[0..*]	±		409
	AdditionalFees <AddtlFees>	[0..*]	±		409
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		410
	DepositDetails <DpstDtls>	[0..*]	±		410
	FundsServices <FndsSvcs>	[0..1]	±		411
	AccountFrom <AcctFr>	[0..1]	±		411
	AccountTo <AcctTo>	[0..1]	±		411
	TransactionDescription <TxDesc>	[0..1]	Text		411
	AdditionalData <AddtlData>	[0..*]			412
	Type <Tp>	[0..1]	Text		412
	Value <Val>	[0..1]	Text		412
	ProcessingResult <PrcgRslt>	[0..1]	±		412
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		413
	ProtectedData <PrctcdData>	[0..*]	±		413
	SupplementaryData <SplmtryData>	[0..*]	±	C1	416
	SecurityTrailer <SctyTrlr>	[0..1]	±		416

21.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header42" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

21.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the reversal of an authorisation or financial transaction.

Body <Body> contains the following **ReversalInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			397
	Acquirer <Acqrr>	[1..1]	±		398
	Sender <Sndr>	[0..1]	±		398
	Receiver <Rcvr>	[0..1]	±		398
	Acceptor <Accptr>	[0..1]	±		399
	Payer <Pyer>	[0..1]	±		399
	Payee <Pyee>	[0..1]	±		400
	Terminal <Termnl>	[0..1]	±		400
	Card <Card>	[1..1]	±		400
	Wallet <Wlft>	[0..1]	±		401
	Token <Tkn>	[0..1]	±		401
	Context <Cntxt>	[0..1]			401
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		401
	TransactionContext <TxCntxt>	[0..1]	±		402
	Transaction <Tx>	[1..1]			403
	TransactionType <TxTp>	[1..1]	Text		404
	TransactionSubType <TxSubTp>	[0..1]	Text		405
	AdditionalService <AddtlSvc>	[0..*]	±		405
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		405
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		406
	MessageReason <MsgRsn>	[0..*]	Text		406
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		406
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		406
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		406
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		407
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		407
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		407
	TransactionIdentification <TxId>	[1..1]	±		407
	DisputeData <DsptData>	[0..*]	±		408
	TransactionAmounts <TxAmts>	[1..1]	±		409
	AdditionalAmounts <AddtlAmts>	[0..*]	±		409

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalFees <AddtlFees>	[0..*]	±		409
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		410
	DepositDetails <DpstDtls>	[0..*]	±		410
	FundsServices <FndsSvcs>	[0..1]	±		411
	AccountFrom <AcctFr>	[0..1]	±		411
	AccountTo <AcctTo>	[0..1]	±		411
	TransactionDescription <TxDesc>	[0..1]	Text		411
	AdditionalData <AddtlData>	[0..*]			412
	Type <Tp>	[0..1]	Text		412
	Value <Val>	[0..1]	Text		412
	ProcessingResult <PrpgRslt>	[0..1]	±		412
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		413
	ProtectedData <PrctcdData>	[0..*]	±		413
	SupplementaryData <SplmtryData>	[0..*]	±	C1	416

21.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		398
	Sender <Sndr>	[0..1]	±		398
	Receiver <Rcvr>	[0..1]	±		398
	Acceptor <Accptr>	[0..1]	±		399
	Payer <Pyer>	[0..1]	±		399
	Payee <Pyee>	[0..1]	±		400
	Terminal <Termnl>	[0..1]	±		400
	Card <Card>	[1..1]	±		400
	Wallet <Wlft>	[0..1]	±		401
	Token <Tkn>	[0..1]	±		401

21.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

21.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

21.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

21.4.2.1.4 Acceptor <Acceptor>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptor> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

21.4.2.1.5 Payer <Payer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

21.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

21.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

21.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData5" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrctcdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrtlfIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

21.4.2.1.9 Wallet <Wlt>*Presence:* [0..1]*Definition:* Container for tenders used by the customer to perform the payment transaction.**Wallet <Wlt>** contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

21.4.2.1.10 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

21.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Context of the reversal transaction.**Context <Cntxt>** contains the following **Context7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		401
	TransactionContext <TxCntxt>	[0..1]	±		402

21.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

21.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext4" on page 936 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		936
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		936
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		936
	CardProgramme <CardPrgrmm>	[0..1]	±		937
	SettlementService <SttlmSvc>	[0..1]	±		937
	Reconciliation <Rcncltn>	[0..1]	±		938
	CaptureDate <CaptrDt>	[0..1]	Date		939

21.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Reversal initiation transaction.

Transaction <Tx> contains the following **Transaction77** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		404
	TransactionSubType <TxSubTp>	[0..1]	Text		405
	AdditionalService <AddtlSvc>	[0..*]	±		405
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		405
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		406
	MessageReason <MsgRsn>	[0..*]	Text		406
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		406
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		406
	AssociatedDataIndicator <AssocdDataInd>	[0..1]	Indicator		406
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		407
	AssociatedDataDestination <AssocdDataDstn>	[0..1]	Text		407
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		407
	TransactionIdentification <TxId>	[1..1]	±		407
	DisputeData <DsptData>	[0..*]	±		408
	TransactionAmounts <TxAmts>	[1..1]	±		409
	AdditionalAmounts <AddtlAmts>	[0..*]	±		409
	AdditionalFees <AddtlFees>	[0..*]	±		409
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		410
	DepositDetails <DpstDtls>	[0..*]	±		410
	FundsServices <FndsSvcs>	[0..1]	±		411
	AccountFrom <AcctFr>	[0..1]	±		411
	AccountTo <AcctTo>	[0..1]	±		411
	TransactionDescription <TxDesc>	[0..1]	Text		411
	AdditionalData <AddtlData>	[0..*]			412
	Type <Tp>	[0..1]	Text		412
	Value <Val>	[0..1]	Text		412

21.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

21.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

21.4.2.3.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

21.4.2.3.4 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.

CodeName	Name	Definition
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

21.4.2.3.5 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

21.4.2.3.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

21.4.2.3.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

21.4.2.3.8 PreAuthorisationTimeLimit <PreAuthstnTmLmt>

Presence: [0..1]

Definition: Contains the period (expressed in minutes) within which a merchant is expected to complete the transaction.

ISO8583:1993 and ISO 8583:2003 Bit 57

Datatype: "Max6NumericText" on page 1541

21.4.2.3.9 AssociatedDataIndicator <AssocdDataInd>

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 1530):

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

21.4.2.3.10 AssociatedDataReference <AssocDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 1541

21.4.2.3.11 AssociatedDataDestination <AssocDataDstn>

Presence: [0..1]

Definition: Destination value to be used in the subsequent addendum message.

Datatype: "Max35Text" on page 1539

21.4.2.3.12 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

21.4.2.3.13 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

21.4.2.3.14 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

21.4.2.3.15 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

21.4.2.3.16 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Lbl>	[0..1]	Text		843

21.4.2.3.17 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

21.4.2.3.18 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

ISO 8583:93/2003 bit 66

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

21.4.2.3.19 DepositDetails <DpstDtls>

Presence: [0..*]

Definition: Contains ATM deposit details.

DepositDetails <DpstDtls> contains the following elements (see ["DepositDetails1"](#) on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1136
	OtherType <OthrTp>	[0..1]	Text		1136
	Amount <Amt>	[0..1]	±		1136

21.4.2.3.20 FundsServices <FndsSvcs>*Presence:* [0..1]*Definition:* Financial services related to the account.**FundsServices <FndsSvcs>** contains the following elements (see "[FundingService1](#)" on page 1313 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

21.4.2.3.21 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

21.4.2.3.22 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

21.4.2.3.23 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 1534**21.4.2.3.24 AdditionalData <AddtlData>***Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		412
	Value <Val>	[0..1]	Text		412

21.4.2.3.24.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**21.4.2.3.24.2 Value <Val>***Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**21.4.2.4 ProcessingResult <PrcgRslt>***Presence:* [0..1]*Definition:* Outcome of the processing of the authorisation.**ProcessingResult <PrcgRslt>** contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

21.4.2.5 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 1534

21.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

21.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

21.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

22 cain.006.001.02 ReversalResponseV02

22.1 MessageDefinition Functionality

The ReversalResponse message is sent by an issuer or an agent to an acquirer in response to a ReversalInitiation message.

Outline

The ReversalResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the reversal of an authorisation or financial transaction.

C. SecurityTrailer

Trailer of the message containing a MAC.

22.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RvslRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		420
	Body <Body>	[1..1]			421
	Environment <Envt>	[1..1]			423
	Acquirer <Acqrr>	[1..1]	±		423
	Sender <Sndr>	[0..1]	±		423
	Receiver <Rcvr>	[0..1]	±		424
	Acceptor <Accptr>	[0..1]	±		424
	Terminal <Termnl>	[0..1]	±		424
	Card <Card>	[1..1]	±		425
	Token <Tkn>	[0..1]	±		425
	Context <Cntxt>	[1..1]	±		425
	Transaction <Tx>	[1..1]			426
	TransactionType <TxTp>	[1..1]	Text		426
	TransactionSubType <TxSubTp>	[0..1]	Text		427
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		427
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		428
	SpecialProgrammeQualification <SpclPrgrmmQlfcn>	[0..*]	±		428
	TransactionIdentification <TxId>	[1..1]	±		428
	TransactionAmounts <TxAmts>	[1..1]	±		429
	AdditionalAmounts <AddtlAmts>	[0..*]	±		429
	AdditionalFees <AddtlFees>	[0..*]	±		430
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		430
	AccountFrom <AcctFr>	[0..1]	±		431
	AccountTo <AcctTo>	[0..1]	±		431
	TransactionDescription <TxDesc>	[0..1]	Text		431
	AdditionalData <AddtlData>	[0..*]			431
	Type <Tp>	[0..1]	Text		431
	Value <Val>	[0..1]	Text		432
	ProcessingResult <PrcgRslt>	[1..1]	±		432

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		432
	ProtectedData <PrctcdData>	[0..*]	±		432
	SupplementaryData <SplmtryData>	[0..*]	±	C1	435
	SecurityTrailer <SctyTrlr>	[0..1]	±		435

22.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 "[Header42](#)" on page 1172 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

22.4.2 **Body <Body>**

Presence: [1..1]

Definition: Information related to the reversal of an authorisation or financial transaction.

Body <Body> contains the following **ReversalResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			423
	Acquirer <Acqrr>	[1..1]	±		423
	Sender <Sndr>	[0..1]	±		423
	Receiver <Rcvr>	[0..1]	±		424
	Acceptor <Accptr>	[0..1]	±		424
	Terminal <Termnl>	[0..1]	±		424
	Card <Card>	[1..1]	±		425
	Token <Tkn>	[0..1]	±		425
	Context <Cntxt>	[1..1]	±		425
	Transaction <Tx>	[1..1]			426
	TransactionType <TxTp>	[1..1]	Text		426
	TransactionSubType <TxSubTp>	[0..1]	Text		427
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		427
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		428
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		428
	TransactionIdentification <TxId>	[1..1]	±		428
	TransactionAmounts <TxAmts>	[1..1]	±		429
	AdditionalAmounts <AddtlAmts>	[0..*]	±		429
	AdditionalFees <AddtlFees>	[0..*]	±		430
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		430
	AccountFrom <AcctFr>	[0..1]	±		431
	AccountTo <AcctTo>	[0..1]	±		431
	TransactionDescription <TxDesc>	[0..1]	Text		431
	AdditionalData <AddtlData>	[0..*]			431
	Type <Tp>	[0..1]	Text		431
	Value <Val>	[0..1]	Text		432
	ProcessingResult <PrcgRslt>	[1..1]	±		432
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		432
	ProtectedData <PrctcdData>	[0..*]	±		432
	SupplementaryData <SplmtryData>	[0..*]	±	C1	435

22.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		423
	Sender <Sndr>	[0..1]	±		423
	Receiver <Rcvr>	[0..1]	±		424
	Acceptor <Accptr>	[0..1]	±		424
	Terminal <Termnl>	[0..1]	±		424
	Card <Card>	[1..1]	±		425
	Token <Tkn>	[0..1]	±		425

22.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

22.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

22.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

22.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

22.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

22.4.2.1.6 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData5" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

22.4.2.1.7 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

22.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following elements (see "TransactionContext3" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

22.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Reversal response transaction.

Transaction <Tx> contains the following **Transaction86** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		426
	TransactionSubType <TxSubTp>	[0..1]	Text		427
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		427
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		428
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		428
	TransactionIdentification <TxId>	[1..1]	±		428
	TransactionAmounts <TxAmts>	[1..1]	±		429
	AdditionalAmounts <AddtlAmts>	[0..*]	±		429
	AdditionalFees <AddtlFees>	[0..*]	±		430
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		430
	AccountFrom <AcctFr>	[0..1]	±		431
	AccountTo <AcctTo>	[0..1]	±		431
	TransactionDescription <TxDesc>	[0..1]	Text		431
	AdditionalData <AddtlData>	[0..*]			431
	Type <Tp>	[0..1]	Text		431
	Value <Val>	[0..1]	Text		432

22.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

22.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

22.4.2.3.3 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.

CodeName	Name	Definition
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

22.4.2.3.4 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

22.4.2.3.5 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

22.4.2.3.6 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

22.4.2.3.7 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

22.4.2.3.8 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Labl>	[0..1]	Text		843

22.4.2.3.9 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

22.4.2.3.10 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

22.4.2.3.11 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

22.4.2.3.12 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

22.4.2.3.13 TransactionDescription <TxDesc>*Presence:* [0..1]*Definition:* Transaction data related to programmes and services, content and format based on bilateral agreements.*Datatype:* "[Max1000Text](#)" on page 1534**22.4.2.3.14 AdditionalData <AddtlData>***Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		431
	Value <Val>	[0..1]	Text		432

22.4.2.3.14.1 Type <Tp>*Presence:* [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

22.4.2.3.14.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

22.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the transaction.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult2" on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

22.4.2.5 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 1534

22.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

22.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

22.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

23 cain.014.001.01

RetrievalFulfilmentInitiationV01

23.1 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 RetrievalFulfilmentInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the initiation of a retrieval fulfilment

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

23.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvIFlfmtlnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		439
	Body <Body>	[1..1]			440
	Environment <Envt>	[1..1]			442
	Acquirer <Acqrr>	[1..1]	±		442
	Sender <Sndr>	[0..1]	±		443
	Receiver <Rcvr>	[0..1]	±		443
	Acceptor <Accptr>	[0..1]	±		443
	Payer <Pyer>	[0..1]	±		444
	Payee <Pyee>	[0..1]	±		444
	Terminal <Termnl>	[0..1]	±		445
	Card <Card>	[1..1]	±		445
	Wallet <Wllt>	[0..1]	±		445
	Token <Tkn>	[0..1]	±		446
	Context <Cntxt>	[1..1]			446
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		446
	TransactionContext <TxCntxt>	[1..1]	±		447
	SaleContext <SaleCntxt>	[0..1]	±		448
	Transaction <Tx>	[0..1]			448
	MessageReason <MsgRsn>	[0..*]	Text		449
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		449
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		449
	TransactionIdentification <TxId>	[1..1]	±		450
	DisputeReference <DsptRef>	[0..*]	±		450
	RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>	[0..*]	±		451
	AdditionalFees <AddtlFees>	[0..*]	±		451
	TransactionDescription <TxDesc>	[0..1]	Text		452
	AdditionalData <AddtlData>	[0..*]			452
	Type <Tp>	[0..1]	Text		452
	Value <Val>	[0..1]	Text		452

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalTransaction <OrgnlTx>	[0..1]			452
	Environment <Envnt>	[0..1]	±		452
	Context <Cntxt>	[0..1]	±		453
	Transaction <Tx>	[0..1]	±		454
	ProcessingResult <PrccgRslt>	[0..1]	±		454
	ProtectedData <PrctcdData>	[0..*]	±		455
	SupplementaryData <SplmtryData>	[0..*]	±	C1	458
	SecurityTrailer <SctyTrlr>	[0..1]	±		458

23.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

C3 ValidationByTable

Must be a valid terrestrial language.

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 protocol management.

Header <Hdr> contains the following elements (see "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

23.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a retrieval fulfilment

Body <Body> contains the following **RetrievalFulfilmentInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			442
	Acquirer <Acqrr>	[1..1]	±		442
	Sender <Sndr>	[0..1]	±		443
	Receiver <Rcvr>	[0..1]	±		443
	Acceptor <Accptr>	[0..1]	±		443
	Payer <Pyer>	[0..1]	±		444
	Payee <Pyee>	[0..1]	±		444
	Terminal <Termnl>	[0..1]	±		445
	Card <Card>	[1..1]	±		445
	Wallet <Wlft>	[0..1]	±		445
	Token <Tkn>	[0..1]	±		446
	Context <Cntxt>	[1..1]			446
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		446
	TransactionContext <TxCntxt>	[1..1]	±		447
	SaleContext <SaleCntxt>	[0..1]	±		448
	Transaction <Tx>	[0..1]			448
	MessageReason <MsgRsn>	[0..*]	Text		449
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		449
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		449
	TransactionIdentification <TxId>	[1..1]	±		450
	DisputeReference <DsptRef>	[0..*]	±		450
	RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>	[0..*]	±		451
	AdditionalFees <AddtlFees>	[0..*]	±		451
	TransactionDescription <TxDesc>	[0..1]	Text		452
	AdditionalData <AddtlData>	[0..*]			452
	Type <Tp>	[0..1]	Text		452
	Value <Val>	[0..1]	Text		452
	OriginalTransaction <OrgnlTx>	[0..1]			452
	Environment <Envt>	[0..1]	±		452
	Context <Cntxt>	[0..1]	±		453
	Transaction <Tx>	[0..1]	±		454

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProcessingResult <PrgRslt>	[0..1]	±		454
	ProtectedData <PrctcdData>	[0..*]	±		455
	SupplementaryData <SplmtryData>	[0..*]	±	C1	458

23.4.2.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		442
	Sender <Sndr>	[0..1]	±		443
	Receiver <Rcvr>	[0..1]	±		443
	Acceptor <Accpt>	[0..1]	±		443
	Payer <Pyer>	[0..1]	±		444
	Payee <Pyee>	[0..1]	±		444
	Terminal <Termnl>	[0..1]	±		445
	Card <Card>	[1..1]	±		445
	Wallet <Wllt>	[0..1]	±		445
	Token <Tkn>	[0..1]	±		446

23.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

23.4.2.1.2 Sender <Sndr>*Presence:* [0..1]*Definition:* Party sending the message to another intermediary agent or to the final destination.

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

23.4.2.1.3 Receiver <Rcvr>*Presence:* [0..1]*Definition:* Party receiving the message from the origin or from an intermediary agent.

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

23.4.2.1.4 Acceptor <Accptr>*Presence:* [0..1]*Definition:* Card acceptor performing the card transaction.

Acceptor <Acceptor> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrcht>	[0..*]	±		1223

23.4.2.1.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

23.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see ["PartyIdentification211"](#) on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

23.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal2"](#) on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

23.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see ["CardData5"](#) on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

23.4.2.1.9 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see ["Wallet1"](#) on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

23.4.2.1.10 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

23.4.2.2 Context <Cntxt>*Presence:* [1..1]*Definition:* Context of the transaction.**Context <Cntxt>** contains the following **Context4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		446
	TransactionContext <TxCntxt>	[1..1]	±		447
	SaleContext <SaleCntxt>	[0..1]	±		448

23.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

23.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

23.4.2.2.3 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltPmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

23.4.2.2.3 Transaction <Tx>

Presence: [0..1]

Definition: Original transaction for which a retrieval is requested.

Transaction <Tx> contains the following **Transaction89** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		449
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		449
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		449
	TransactionIdentification <TxId>	[1..1]	±		450
	DisputeReference <DsptRef>	[0..*]	±		450
	RetrievalFulfilmentInstructions <RtrvlFlfmtlnstrs>	[0..*]	±		451
	AdditionalFees <AddtlFees>	[0..*]	±		451
	TransactionDescription <TxDesc>	[0..1]	Text		452
	AdditionalData <AddtlData>	[0..*]			452
	Type <Tp>	[0..1]	Text		452
	Value <Val>	[0..1]	Text		452

23.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

23.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

23.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfcfn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlftcn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

23.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

23.4.2.3.5 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Issuer provides a reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

23.4.2.3.6 RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1191 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[0..1]			1191
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblshdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActlDlvryMtd>	[0..1]	Text		1191
	DeliveryInformation <DlvryInf>	[0..1]	±		1192
	AdditionalInformation <AddtlInf>	[0..1]	±		1192

23.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

23.4.2.3.8 TransactionDescription <TxDesc>*Presence:* [0..1]*Definition:* Transaction data related to programmes and services, content and format based on bilateral agreements.*Datatype:* "Max1000Text" on page 1534**23.4.2.3.9 AdditionalData <AddtlData>***Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		452
	Value <Val>	[0..1]	Text		452

23.4.2.3.9.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**23.4.2.3.9.2 Value <Val>***Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**23.4.2.4 OriginalTransaction <OrgnlTx>***Presence:* [0..1]*Definition:* Original transaction for which a retrieval is requested.**OriginalTransaction <OrgnlTx>** contains the following **OriginalTransaction1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		452
	Context <Cntxt>	[0..1]	±		453
	Transaction <Tx>	[0..1]	±		454
	ProcessingResult <PrpgRslt>	[0..1]	±		454

23.4.2.4.1 Environment <Envt>*Presence:* [0..1]*Definition:* Details of the original message for which a retrieval is being requested.

Environment <Envt> contains the following elements (see "Environment6" on page 1103 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1104
	Sender <Sndr>	[0..1]	±		1105
	Receiver <Rcvr>	[0..1]	±		1105
	Acceptor <Accptr>	[0..1]	±		1105
	Payer <Pyer>	[0..1]	±		1106
	Payee <Pyee>	[0..1]	±		1106
	Terminal <Termnl>	[0..1]			1107
	TerminalIdentification <TermnllId>	[0..1]	±		1107
	Capabilities <Cpblties>	[0..1]	±		1107
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	±		1108
	TerminalIntegration <TermnllIntgtn>	[0..1]	CodeSet		1108
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1109
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1109
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1109
	POIComponent <POICmpnt>	[0..*]	±		1110
	Card <Card>	[1..1]	±		1112
	CustomerDevice <CstmrDvc>	[0..1]	±		1112
	Wallet <Wlt>	[0..1]	±		1113
	Token <Tkn>	[0..1]	±		1113
	Cardholder <Crhdldr>	[0..1]	±		1113

23.4.2.4.2 Context <Cntxt>

Presence: [0..1]

Definition: Details of the original message for which a retrieval is being requested.

Context <Cntxt> contains the following elements (see "Context3" on page 1124 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		1125
	TransactionContext <TxCntxt>	[1..1]	±		1126
	Verification <Vrfctn>	[0..*]	±		1127
	RiskContext <RskCntxt>	[0..1]	±		1127
	SaleContext <SaleCntxt>	[0..1]	±		1128

23.4.2.4.3 Transaction <Tx>*Presence:* [0..1]*Definition:* Contains the original transaction details.**Transaction <Tx>** contains the following elements (see "Transaction85" on page 945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	Text		946
	TransactionSubType <TxSubTp>	[0..1]	Text		946
	AdditionalService <AddtlSvc>	[0..*]	±		947
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		947
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		948
	MessageReason <MsgRsn>	[0..*]	Text		948
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		948
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		948
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		948
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		948
	TransactionIdentification <TxId>	[0..1]	±		949
	DisputeData <DsptData>	[0..*]	±		949
	TransactionAmounts <TxAmts>	[0..1]	±		950
	AdditionalAmounts <AddtlAmts>	[0..*]	±		950
	AdditionalFees <AddtlFees>	[0..*]	±		951
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		951
	DepositDetails <DpstDtls>	[0..*]	±		952
	FundsServices <FndsSvcs>	[0..1]	±		952
	AccountFrom <AcctFr>	[0..1]	±		952
	AccountTo <AcctTo>	[0..1]	±		952
	TransactionDescription <TxDesc>	[0..1]	Text		953
	AdditionalData <AddtlData>	[0..*]			953
	Type <Tp>	[0..1]	Text		953
	Value <Val>	[0..1]	Text		953

23.4.2.4.4 ProcessingResult <PrcgRslt>*Presence:* [0..1]*Definition:* Contains the processing results of the transaction to be retrieved.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult2" on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

23.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

23.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

23.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

24 cain.015.001.01 RetrievalFulfilmentResponseV01

24.1 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 RetrievalFulfilmentResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the response to the request of a retrieval fulfilment.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

24.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvIFlfmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		462
	Body <Body>	[1..1]			463
	Environment <Envt>	[1..1]			465
	Acquirer <Acqrr>	[1..1]	±		465
	Sender <Sndr>	[0..1]	±		465
	Receiver <Rcvr>	[0..1]	±		466
	Acceptor <Accptr>	[0..1]	±		466
	Payer <Pyer>	[0..1]	±		467
	Payee <Pyee>	[0..1]	±		467
	Terminal <Termnl>	[0..1]	±		468
	Card <Card>	[1..1]	±		468
	Wallet <Wllt>	[0..1]	±		468
	Token <Tkn>	[0..1]	±		469
	Context <Cntxt>	[1..1]			469
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		469
	TransactionContext <TxCntxt>	[1..1]	±		470
	SaleContext <SaleCntxt>	[0..1]	±		471
	Transaction <Tx>	[0..1]			471
	MessageReason <MsgRsn>	[0..*]	Text		472
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		472
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		472
	TransactionIdentification <TxId>	[1..1]	±		473
	DisputeReference <DsptRef>	[0..*]	±		473
	RetrievalFulfilmentInstructions <RtrvIFlfmtInstrs>	[0..*]	±		474
	AdditionalFees <AddtlFees>	[0..*]	±		474
	TransactionDescription <TxDesc>	[0..1]	Text		475
	AdditionalData <AddtlData>	[0..*]			475
	Type <Tp>	[0..1]	Text		475
	Value <Val>	[0..1]	Text		475

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProcessingResult <PrcgRslt>	[1..1]	±		475
	ProtectedData <PrtctdData>	[0..*]	±		476
	SupplementaryData <SplmtryData>	[0..*]	±	C1	479
	SecurityTrailer <SctyTrlr>	[0..1]	±		479

24.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 protocol management.

Header <Hdr> contains the following elements (see "[Header48](#)" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

24.4.2 **Body <Body>**

Presence: [1..1]

Definition: Information related to the response to the request of a retrieval fulfilment.

Body <Body> contains the following RetrievalFulfilmentResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			465
	Acquirer <Acqrr>	[1..1]	±		465
	Sender <Sndr>	[0..1]	±		465
	Receiver <Rcvr>	[0..1]	±		466
	Acceptor <Accptr>	[0..1]	±		466
	Payer <Pyer>	[0..1]	±		467
	Payee <Pyee>	[0..1]	±		467
	Terminal <Termnl>	[0..1]	±		468
	Card <Card>	[1..1]	±		468
	Wallet <Wlt>	[0..1]	±		468
	Token <Tkn>	[0..1]	±		469
	Context <Cntxt>	[1..1]			469
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		469
	TransactionContext <TxCntxt>	[1..1]	±		470
	SaleContext <SaleCntxt>	[0..1]	±		471
	Transaction <Tx>	[0..1]			471
	MessageReason <MsgRsn>	[0..*]	Text		472
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		472
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		472
	TransactionIdentification <TxId>	[1..1]	±		473
	DisputeReference <DsptRef>	[0..*]	±		473
	RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>	[0..*]	±		474
	AdditionalFees <AddtlFees>	[0..*]	±		474
	TransactionDescription <TxDesc>	[0..1]	Text		475
	AdditionalData <AddtlData>	[0..*]			475
	Type <Tp>	[0..1]	Text		475
	Value <Val>	[0..1]	Text		475
	ProcessingResult <PrcgRslt>	[1..1]	±		475
	ProtectedData <PrctcdData>	[0..*]	±		476
	SupplementaryData <SplmtryData>	[0..*]	±	C1	479

24.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		465
	Sender <Sndr>	[0..1]	±		465
	Receiver <Rcvr>	[0..1]	±		466
	Acceptor <Accptr>	[0..1]	±		466
	Payer <Pyer>	[0..1]	±		467
	Payee <Pyee>	[0..1]	±		467
	Terminal <Termnl>	[0..1]	±		468
	Card <Card>	[1..1]	±		468
	Wallet <Wllt>	[0..1]	±		468
	Token <Tkn>	[0..1]	±		469

24.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

24.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

24.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

24.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptor> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

24.4.2.1.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

24.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see ["PartyIdentification211"](#) on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

24.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal2"](#) on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

24.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see ["CardData5"](#) on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

24.4.2.1.9 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see ["Wallet1"](#) on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

24.4.2.1.10 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

24.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following **Context4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		469
	TransactionContext <TxCntxt>	[1..1]	±		470
	SaleContext <SaleCntxt>	[0..1]	±		471

24.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtcd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

24.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext3" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

24.4.2.2.3 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "SaleContext7" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltpmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

24.4.2.2.3 Transaction <Tx>

Presence: [0..1]

Definition: Original transaction for which a retrieval is requested.

Transaction <Tx> contains the following **Transaction89** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		472
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		472
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		472
	TransactionIdentification <TxId>	[1..1]	±		473
	DisputeReference <DsptRef>	[0..*]	±		473
	RetrievalFulfilmentInstructions <RtrvlFflmtInstrs>	[0..*]	±		474
	AdditionalFees <AddtlFees>	[0..*]	±		474
	TransactionDescription <TxDesc>	[0..1]	Text		475
	AdditionalData <AddtlData>	[0..*]			475
	Type <Tp>	[0..1]	Text		475
	Value <Val>	[0..1]	Text		475

24.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

24.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

24.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

24.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification1" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

24.4.2.3.5 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Issuer provides a reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

24.4.2.3.6 RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1191 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[0..1]			1191
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblshdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActlDlvryMtd>	[0..1]	Text		1191
	DeliveryInformation <DlvryInf>	[0..1]	±		1192
	AdditionalInformation <AddtlInf>	[0..1]	±		1192

24.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

24.4.2.3.8 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

24.4.2.3.9 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		475
	Value <Val>	[0..1]	Text		475

24.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

24.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

24.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

24.4.2.5 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

24.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

24.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

25 cain.016.001.01 InquiryInitiationV01

25.1 MessageDefinition Functionality

The InquiryInitiation message is sent by an acquirer or agent to an issuer to request information related to the card (e.g. about a cardholder, the availability of funds, etc.).

Outline

The InquiryInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the inquiry initiation.
- C. SecurityTrailer
Trailer of the message containing a MAC

25.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NqryInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		483
	Body <Body>	[1..1]			484
	Environment <Envt>	[1..1]			486
	Acquirer <Acqrr>	[1..1]	±		486
	Sender <Sndr>	[0..1]	±		487
	Receiver <Rcvr>	[0..1]	±		487
	Acceptor <Accptr>	[1..1]	±		488
	Terminal <Termnl>	[0..1]	±		488
	Card <Card>	[1..1]	±		489
	CustomerDevice <CstmrDvc>	[0..1]	±		490
	Wallet <Wlt>	[0..1]	±		490
	Token <Tkn>	[0..1]	±		491
	Cardholder <Crdhldr>	[0..1]	±		491
	Context <Cntxt>	[1..1]			491
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		492
	TransactionContext <TxCntxt>	[1..1]	±		493
	Verification <Vrfctn>	[0..*]	±		494
	RiskContext <RskCntxt>	[0..1]	±		494
	Transaction <Tx>	[1..1]			495
	TransactionType <TxTp>	[1..1]	Text		495
	TransactionSubType <TxSubTp>	[0..1]	Text		496
	AdditionalService <AddtlSvc>	[0..*]	±		496
	MessageReason <MsgRsn>	[0..*]	Text		496
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		496
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		496
	TransactionIdentification <TxId>	[1..1]	±		497
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	497
	DetailedAmount <DtldAmt>	[0..*]	±		497
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		498

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmounts <AddtlAmts>	[0..*]	±		498
	AdditionalFees <AddtlFees>	[0..*]	±		499
	AccountFrom <AcctFr>	[0..1]	±		499
	TransactionDescription <TxDesc>	[0..1]	Text		499
	AdditionalData <AddtlData>	[0..*]			499
	Type <Tp>	[0..1]	Text		500
	Value <Val>	[0..1]	Text		500
	ProcessingResult <PrcgRslt>	[0..1]	±		500
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		500
	ProtectedData <PrctcdData>	[0..*]	±		501
	SupplementaryData <SplmtryData>	[0..*]	±	C1	504
	SecurityTrailer <SctyTrlr>	[0..1]	±		504

25.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

Must be a valid terrestrial language.

C3 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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

25.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the inquiry initiation.

Body <Body> contains the following InquiryInitiation1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			486
	Acquirer <Acqrr>	[1..1]	±		486
	Sender <Sndr>	[0..1]	±		487
	Receiver <Rcvr>	[0..1]	±		487
	Acceptor <Accptr>	[1..1]	±		488
	Terminal <Termnl>	[0..1]	±		488
	Card <Card>	[1..1]	±		489
	CustomerDevice <CstmrDvc>	[0..1]	±		490
	Wallet <Wlt>	[0..1]	±		490
	Token <Tkn>	[0..1]	±		491
	Cardholder <Crhdldr>	[0..1]	±		491
	Context <Cntxt>	[1..1]			491
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		492
	TransactionContext <TxCntxt>	[1..1]	±		493
	Verification <Vrfctn>	[0..*]	±		494
	RiskContext <RskCntxt>	[0..1]	±		494
	Transaction <Tx>	[1..1]			495
	TransactionType <TxTp>	[1..1]	Text		495
	TransactionSubType <TxSubTp>	[0..1]	Text		496
	AdditionalService <AddtlSvc>	[0..*]	±		496
	MessageReason <MsgRsn>	[0..*]	Text		496
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		496
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		496
	TransactionIdentification <TxId>	[1..1]	±		497
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	497
	DetailedAmount <DtldAmt>	[0..*]	±		497
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		498
	AdditionalAmounts <AddtlAmts>	[0..*]	±		498
	AdditionalFees <AddtlFees>	[0..*]	±		499
	AccountFrom <AcctFr>	[0..1]	±		499
	TransactionDescription <TxDesc>	[0..1]	Text		499

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..*]			499
	Type <Tp>	[0..1]	Text		500
	Value <Val>	[0..1]	Text		500
	ProcessingResult <PrcgRslt>	[0..1]	±		500
	ICCRelatedData <ICCRltdData>	[0..1]	Text		500
	ProtectedData <PrctcdData>	[0..*]	±		501
	SupplementaryData <SplmtryData>	[0..*]	±	C1	504

25.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		486
	Sender <Sndr>	[0..1]	±		487
	Receiver <Rcvr>	[0..1]	±		487
	Acceptor <Accptr>	[1..1]	±		488
	Terminal <Termnl>	[0..1]	±		488
	Card <Card>	[1..1]	±		489
	CustomerDevice <CstmrDvc>	[0..1]	±		490
	Wallet <Wlft>	[0..1]	±		490
	Token <Tkn>	[0..1]	±		491
	Cardholder <Crdhldr>	[0..1]	±		491

25.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

25.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

25.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

25.4.2.1.4 Acceptor <Accptr>

Presence: [1..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

25.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal1" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

25.4.2.1.6 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData1](#)" on page 876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

25.4.2.1.7 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

25.4.2.1.8 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 "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

25.4.2.1.9 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

25.4.2.1.10 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

25.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		492
	TransactionContext <TxCntxt>	[1..1]	±		493
	Verification <Vrfctn>	[0..*]	±		494
	RiskContext <RskCntxt>	[0..1]	±		494

25.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

25.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext1" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

25.4.2.2.3 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 "Verification1" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

25.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "RiskContext1" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

25.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction105** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		495
	TransactionSubType <TxSubTp>	[0..1]	Text		496
	AdditionalService <AddtlSvc>	[0..*]	±		496
	MessageReason <MsgRsn>	[0..*]	Text		496
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		496
	SpecialProgrammeQualification <SpclPrgmmQlfcnt>	[0..*]	±		496
	TransactionIdentification <TxId>	[1..1]	±		497
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	497
	DetailedAmount <DtldAmt>	[0..*]	±		497
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		498
	AdditionalAmounts <AddtlAmts>	[0..*]	±		498
	AdditionalFees <AddtlFees>	[0..*]	±		499
	AccountFrom <AcctFr>	[0..1]	±		499
	TransactionDescription <TxDesc>	[0..1]	Text		499
	AdditionalData <AddtlData>	[0..*]			499
	Type <Tp>	[0..1]	Text		500
	Value <Val>	[0..1]	Text		500

25.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

25.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

25.4.2.3.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

25.4.2.3.4 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

25.4.2.3.5 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1539

25.4.2.3.6 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

25.4.2.3.7 TransactionIdentification <TxId>*Presence:* [1..1]*Definition:* Identification of the transaction.**TransactionIdentification <TxId>** contains the following elements (see "[TransactionIdentification11](#)" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

25.4.2.3.8 TransactionCurrency <TxCcy>*Presence:* [0..1]*Definition:* Transaction currency of the acceptor.

ISO 4217

Impacted by: C3 "[ValidationByTable](#)"*Datatype:* "[ISO3NumericCurrencyCode](#)" on page 1492**Constraints**

- ValidationByTable**

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

25.4.2.3.9 DetailedAmount <DtIdAmt>*Presence:* [0..*]*Definition:* Further details of some or all amounts in the transaction amount.

The detailed amount is used to calculate the reconciliation amount for messages in which the transaction amount is absent.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount20](#)" on page 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		851
	OtherType <OthrTp>	[0..1]	Text		851
	Amount <Amt>	[1..1]	±		851
	Label <Lbl>	[0..1]	Text		852

25.4.2.3.10 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field

ReconciliationAmount <RcncltnAmt> contains the following elements (see "[Amount4](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

25.4.2.3.11 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts2](#)" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Lbl>	[0..1]	Text		864

25.4.2.3.12 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

25.4.2.3.13 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 ["AccountDetails2"](#) on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

25.4.2.3.14 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: ["Max1000Text"](#) on page 1534

25.4.2.3.15 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		500
	Value <Val>	[0..1]	Text		500

25.4.2.3.15.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

25.4.2.3.15.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

25.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Result of the inquiry processing.

ISO 8583:87 bit 110

ISO 8583:93 bit 111

ISO 8583:2003 bit 50

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult5" on page 1411 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		1412
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1412
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1413
	Action <Actn>	[0..*]	±		1413
	AdditionalAction <AddtlActn>	[0..*]	±		1413
	AdditionalInformation <AddtlInf>	[0..*]	±		1414

25.4.2.5 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 1534

25.4.2.6 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

25.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

25.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

26 cain.017.001.01 InquiryResponseV01

26.1 MessageDefinition Functionality

The InquiryResponse message is sent by an issuer or an agent to an acquirer in response to an InquiryInitiation message.

Outline

The InquiryResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the inquiry response.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

26.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NqryRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		508
	Body <Body>	[1..1]			509
	Environment <Envnt>	[1..1]			511
	Acquirer <Acqrr>	[1..1]	±		511
	Sender <Sndr>	[0..1]	±		511
	Receiver <Rcvr>	[0..1]	±		512
	Acceptor <Accptr>	[1..1]	±		512
	Terminal <Termnl>	[0..1]	±		513
	Card <Card>	[1..1]	±		513
	Wallet <Wllt>	[0..1]	±		514
	Token <Tkn>	[0..1]	±		514
	Context <Cntxt>	[1..1]			515
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		515
	TransactionContext <TxCntxt>	[0..1]	±		516
	Verification <Vrfctn>	[0..*]	±		517
	RiskContext <RskCntxt>	[0..1]	±		517
	Transaction <Tx>	[1..1]			517
	TransactionType <TxTp>	[1..1]	Text		518
	TransactionSubType <TxSubTp>	[0..1]	Text		518
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		518
	TransactionIdentification <TxId>	[1..1]	±		519
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		519
	AdditionalAmounts <AddtlAmts>	[0..*]	±		520
	AdditionalFees <AddtlFees>	[0..*]	±		520
	AccountBalance <AcctBal>	[0..*]	±		521
	AccountStatementData <AcctStmntData>	[0..*]	±		521
	AccountFrom <AcctFr>	[0..1]	±		522
	TransactionDescription <TxDesc>	[0..1]	Text		522
	AdditionalData <AddtlData>	[0..*]			523

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		523
	Value <Val>	[0..1]	Text		523
	ProcessingResult <PrcgRslt>	[1..1]	±		523
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		523
	ProtectedData <PrctctdData>	[0..*]	±		524
	SupplementaryData <SplmtryData>	[0..*]	±	C1	527
	SecurityTrailer <SctyTrlr>	[0..1]	±		527

26.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 management of the protocol.

Header <Hdr> contains the following elements (see "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

26.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the inquiry response.

Body <Body> contains the following **InquiryResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			511
	Acquirer <Acqrr>	[1..1]	±		511
	Sender <Sndr>	[0..1]	±		511
	Receiver <Rcvr>	[0..1]	±		512
	Acceptor <Accptr>	[1..1]	±		512
	Terminal <Termnl>	[0..1]	±		513
	Card <Card>	[1..1]	±		513
	Wallet <Wllt>	[0..1]	±		514
	Token <Tkn>	[0..1]	±		514
	Context <Cntxt>	[1..1]			515
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		515
	TransactionContext <TxCntxt>	[0..1]	±		516
	Verification <Vrfctn>	[0..*]	±		517
	RiskContext <RskCntxt>	[0..1]	±		517
	Transaction <Tx>	[1..1]			517
	TransactionType <TxTp>	[1..1]	Text		518
	TransactionSubType <TxSubTp>	[0..1]	Text		518
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		518
	TransactionIdentification <Txld>	[1..1]	±		519
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		519
	AdditionalAmounts <AddtlAmts>	[0..*]	±		520
	AdditionalFees <AddtlFees>	[0..*]	±		520
	AccountBalance <AcctBal>	[0..*]	±		521
	AccountStatementData <AcctStmntData>	[0..*]	±		521
	AccountFrom <AcctFr>	[0..1]	±		522
	TransactionDescription <TxDesc>	[0..1]	Text		522
	AdditionalData <AddtlData>	[0..*]			523
	Type <Tp>	[0..1]	Text		523
	Value <Val>	[0..1]	Text		523
	ProcessingResult <PrccgRslt>	[1..1]	±		523
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		523

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedData <PrtctdData>	[0..*]	±		524
	SupplementaryData <SplmtryData>	[0..*]	±	C1	527

26.4.2.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **Environment15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		511
	Sender <Sndr>	[0..1]	±		511
	Receiver <Rcvr>	[0..1]	±		512
	Acceptor <Accptr>	[1..1]	±		512
	Terminal <Termnl>	[0..1]	±		513
	Card <Card>	[1..1]	±		513
	Wallet <Wllt>	[0..1]	±		514
	Token <Tkn>	[0..1]	±		514

26.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgrr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

26.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

26.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

26.4.2.1.4 Acceptor <Accptr>

Presence: [1..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptor> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrcht>	[0..*]	±		1223

26.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

26.4.2.1.6 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData4](#)" on page 883 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		884
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

26.4.2.1.7 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see "[Wallet1](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

26.4.2.1.8 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittedInd>	[0..1]	Indicator		1439

26.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		515
	TransactionContext <TxCntxt>	[0..1]	±		516
	Verification <Vrfctn>	[0..*]	±		517
	RiskContext <RskCntxt>	[0..1]	±		517

26.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

26.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

26.4.2.2.3 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 "[Verification2](#)" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

26.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

26.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction87** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		518
	TransactionSubType <TxSubTp>	[0..1]	Text		518
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		518
	TransactionIdentification <TxId>	[1..1]	±		519
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		519
	AdditionalAmounts <AddtlAmts>	[0..*]	±		520
	AdditionalFees <AddtlFees>	[0..*]	±		520
	AccountBalance <AcctBal>	[0..*]	±		521
	AccountStatementData <AcctStmntData>	[0..*]	±		521
	AccountFrom <AcctFr>	[0..1]	±		522
	TransactionDescription <TxDesc>	[0..1]	Text		522
	AdditionalData <AddtlData>	[0..*]			523
	Type <Tp>	[0..1]	Text		523
	Value <Val>	[0..1]	Text		523

26.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

26.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

26.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfcfn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

26.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

26.4.2.3.5 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field

ReconciliationAmount <RcncltnAmt> contains the following elements (see "Amount4" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

26.4.2.3.6 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "AdditionalAmounts2" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Labl>	[0..1]	Text		864

26.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

26.4.2.3.8 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of an account.

AccountBalance <AcctBal> contains the following elements (see "[AccountBalance1](#)" on page 864 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	Text		864
	Balance <Bal>	[0..*]			864
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrdhldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

26.4.2.3.9 AccountStatementData <AcctStmntData>

Presence: [0..*]

Definition: Account information of a statement of account.

AccountStatementData <AcctStmtData> contains the following elements (see "AccountStatementData1" on page 866 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StatementDate <StmntDt>	[0..1]	Date		867
	StatementTime <StmntTm>	[0..1]	Time		867
	AccountStatement <AcctStmnt>	[0..*]			867
	TransactionDate <TxDt>	[1..1]	Date		868
	PendingIndicator <PdgInd>	[0..1]	Indicator		868
	TransactionPostingDate <TxPstngDt>	[0..1]	Date		868
	TransactionAmount <TxAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	869
	CardholderBillingAmount <CrdhldrBlgAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	870
	CreditIndicator <CdtInd>	[0..1]	Indicator		870
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		870
	ShortTransactionDescription <ShrtTxDesc>	[0..1]	Text		870
	LongTransactionDescription <LngTxDesc>	[0..1]	Text		870

26.4.2.3.10 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

26.4.2.3.11 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

26.4.2.3.12 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		523
	Value <Val>	[0..1]	Text		523

26.4.2.3.12.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**26.4.2.3.12.2 Value <Val>***Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**26.4.2.4 ProcessingResult <PrcgRslt>***Presence:* [1..1]*Definition:* Result of the inquiry processing.**ProcessingResult <PrcgRslt>** contains the following elements (see "ProcessingResult5" on page 1411 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		1412
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1412
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1413
	Action <Actn>	[0..*]	±		1413
	AdditionalAction <AddtlActn>	[0..*]	±		1413
	AdditionalInformation <AddtlInf>	[0..*]	±		1414

26.4.2.5 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 1534

26.4.2.6 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

26.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

26.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

27 cain.018.001.01

VerificationInitiationV01

27.1 MessageDefinition Functionality

The VerificationInitiation message can be initiated by any party and received by any party (acquirer, agent or issuer). It conveys information to a receiver requiring verification or authentication.

Examples of usages are: authentication of certificates, assurance levels of tokens, certificate management, address verification, account verification and cheque verification. It is also used to inform the receiver of a verification that has been completed on its behalf.

Outline

The VerificationInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the verification initiation.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

27.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <VrfctnInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		532
	Body <Body>	[1..1]			532
	Environment <Envt>	[1..1]			534
	Acquirer <Acqrr>	[1..1]	±		535
	Sender <Sndr>	[0..1]	±		535
	Receiver <Rcvr>	[0..1]	±		535
	Acceptor <Accptr>	[0..1]	±		536
	Payer <Pyer>	[0..1]	±		537
	Payee <Pyee>	[0..1]	±		537
	Terminal <Termnl>	[0..1]	±		537
	Card <Card>	[1..1]	±		538
	CustomerDevice <CstmrDvc>	[0..1]	±		538
	Wallet <Wlt>	[0..1]	±		539
	Token <Tkn>	[0..1]	±		539
	Cardholder <Crdhlr>	[0..1]	±		539
	Context <Cntxt>	[1..1]			539
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		540
	TransactionContext <TxCntxt>	[1..1]	±		541
	Verification <Vrfctn>	[0..*]	±		542
	RiskContext <RskCntxt>	[0..1]	±		542
	Transaction <Tx>	[1..1]			543
	TransactionType <TxTp>	[1..1]	Text		544
	TransactionSubType <TxSubTp>	[0..1]	Text		544
	AdditionalService <AddtlSvc>	[0..*]	±		544
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		544
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		545
	MessageReason <MsgRsn>	[0..*]	CodeSet		545
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		546
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		546

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		546
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	547
	DetailedAmount <DtldAmt>	[0..*]	±		547
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		548
	AdditionalAmounts <AddtlAmts>	[0..*]	±		548
	AdditionalFees <AddtlFees>	[0..*]	±		549
	FundsServices <FndsSvcs>	[0..1]	±		549
	AccountFrom <AcctFr>	[0..1]	±		549
	AccountTo <AcctTo>	[0..1]	±		549
	TransactionDescription <TxDesc>	[0..1]	Text		550
	AdditionalData <AddtlData>	[0..*]			550
	Type <Tp>	[0..1]	Text		550
	Value <Val>	[0..1]	Text		550
	ProcessingResult <PrpgRslt>	[0..1]	±		550
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		551
	ProtectedData <PrctcdData>	[0..*]	±		551
	SupplementaryData <SplmtryData>	[0..*]	±	C1	554
	SecurityTrailer <SctyTrlr>	[0..1]	±		554

27.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

Must be a valid terrestrial language.

C3 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 management of the protocol.

Header <Hdr> contains the following elements (see "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

27.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the verification initiation.

Body <Body> contains the following **VerificationInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			534
	Acquirer <Acqrr>	[1..1]	±		535
	Sender <Sndr>	[0..1]	±		535
	Receiver <Rcvr>	[0..1]	±		535
	Acceptor <Accptr>	[0..1]	±		536
	Payer <Pyer>	[0..1]	±		537
	Payee <Pyee>	[0..1]	±		537
	Terminal <Termnl>	[0..1]	±		537
	Card <Card>	[1..1]	±		538
	CustomerDevice <CstmrDvc>	[0..1]	±		538
	Wallet <Wlt>	[0..1]	±		539
	Token <Tkn>	[0..1]	±		539
	Cardholder <Crhdldr>	[0..1]	±		539
	Context <Cntxt>	[1..1]			539
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		540
	TransactionContext <TxCntxt>	[1..1]	±		541
	Verification <Vrfctn>	[0..*]	±		542
	RiskContext <RskCntxt>	[0..1]	±		542
	Transaction <Tx>	[1..1]			543
	TransactionType <TxTp>	[1..1]	Text		544
	TransactionSubType <TxSubTp>	[0..1]	Text		544
	AdditionalService <AddtlSvc>	[0..*]	±		544
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		544
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		545
	MessageReason <MsgRsn>	[0..*]	CodeSet		545
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		546
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		546
	TransactionIdentification <TxId>	[1..1]	±		546
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	547
	DetailedAmount <DtldAmt>	[0..*]	±		547
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		548

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmounts <AddtlAmts>	[0..*]	±		548
	AdditionalFees <AddtlFees>	[0..*]	±		549
	FundsServices <FndsSvcs>	[0..1]	±		549
	AccountFrom <AcctFr>	[0..1]	±		549
	AccountTo <AcctTo>	[0..1]	±		549
	TransactionDescription <TxDesc>	[0..1]	Text		550
	AdditionalData <AddtlData>	[0..*]			550
	Type <Tp>	[0..1]	Text		550
	Value <Val>	[0..1]	Text		550
	ProcessingResult <PrcgRslt>	[0..1]	±		550
	ICCRelatedData <ICCRltdData>	[0..1]	Text		551
	ProtectedData <PrtctdData>	[0..*]	±		551
	SupplementaryData <SplmtryData>	[0..*]	±	C1	554

27.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		535
	Sender <Sndr>	[0..1]	±		535
	Receiver <Rcvr>	[0..1]	±		535
	Acceptor <Accptr>	[0..1]	±		536
	Payer <Pyer>	[0..1]	±		537
	Payee <Pyee>	[0..1]	±		537
	Terminal <Termnl>	[0..1]	±		537
	Card <Card>	[1..1]	±		538
	CustomerDevice <CstmrDvc>	[0..1]	±		538
	Wallet <Wlft>	[0..1]	±		539
	Token <Tkn>	[0..1]	±		539
	Cardholder <Crhdldr>	[0..1]	±		539

27.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

27.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

27.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

27.4.2.1.4 Acceptor <Acctr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acctr> contains the following elements (see "[PartyIdentification203](#)" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

27.4.2.1.5 Payer <Pyer>*Presence:* [0..1]*Definition:* Person initiating a payment to the benefit of a payee.**Payer <Pyer>** contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

27.4.2.1.6 Payee <Pyee>*Presence:* [0..1]*Definition:* Person to the benefit of whom a payment is performed.

ISO 8583:87/93/2003 bit 98

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

27.4.2.1.7 Terminal <Termnl>*Presence:* [0..1]*Definition:* Payment terminal or ATM performing the transaction.**Terminal <Termnl>** contains the following elements (see "Terminal1" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnlIntgt>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

27.4.2.1.8 Card <Card>*Presence:* [1..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData1](#)" on page 876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

27.4.2.1.9 CustomerDevice <CstmrDvc>*Presence:* [0..1]*Definition:* Identification of the customer device performing the transaction.**CustomerDevice <CstmrDvc>** contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

27.4.2.1.10 Wallet <Wlt>*Presence:* [0..1]*Definition:* Container for tenders used by the customer to perform the payment transaction.**Wallet <Wlt>** contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

27.4.2.1.11 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

27.4.2.1.12 Cardholder <Crdhldr>*Presence:* [0..1]*Definition:* Cardholder performing the card payment transaction.**Cardholder <Crdhldr>** contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

27.4.2.2 Context <Cntxt>*Presence:* [1..1]*Definition:* Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		540
	TransactionContext <TxCntxt>	[1..1]	±		541
	Verification <Vrfctn>	[0..*]	±		542
	RiskContext <RskCntxt>	[0..1]	±		542

27.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

27.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext1](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

27.4.2.2.3 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 "[Verification1](#)" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

27.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "RiskContext1" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

27.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction83** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		544
	TransactionSubType <TxSubTp>	[0..1]	Text		544
	AdditionalService <AddtlSvc>	[0..*]	±		544
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		544
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		545
	MessageReason <MsgRsn>	[0..*]	CodeSet		545
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		546
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		546
	TransactionIdentification <TxId>	[1..1]	±		546
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	547
	DetailedAmount <DtldAmt>	[0..*]	±		547
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		548
	AdditionalAmounts <AddtlAmts>	[0..*]	±		548
	AdditionalFees <AddtlFees>	[0..*]	±		549
	FundsServices <FndsSvcs>	[0..1]	±		549
	AccountFrom <AcctFr>	[0..1]	±		549
	AccountTo <AcctTo>	[0..1]	±		549
	TransactionDescription <TxDesc>	[0..1]	Text		550
	AdditionalData <AddtlData>	[0..*]			550
	Type <Tp>	[0..1]	Text		550
	Value <Val>	[0..1]	Text		550

27.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

27.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

27.4.2.3.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

27.4.2.3.4 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..

CodeName	Name	Definition
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

27.4.2.3.5 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

27.4.2.3.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

Datatype: "MessageReason2Code" on page 1501

CodeName	Name	Definition
ASTD	AcquirerStandin	Stand-in processing at the acquirer's option.
FLRL	FloorLimit	Transaction above or under the floor limit.
COFF	CardProcessed	Transaction performed offline by the card.
ASPC	CardAcceptorSuspicious	Card acceptor forced to be online.
CUNB	CardUnableToProcess	Card cannot process offline the transaction.
CRND	CardRandomSelection	Random online decided by the card.
FORC	OnlineForced	Forced online by card acceptor, terminal, card, or the issuer.

CodeName	Name	Definition
ISGN	IssuerSignedOff	Issuer signed off.
ITIM	IssuerTimeout	Issuer timed out on request.
IUNV	IssuerUnavailable	Issuer unavailable.
OTHN	OtherNational	Other national type of reason.
OTHP	OtherPrivate	Other private type of reason.
TRND	TerminalRandomSelection	Random online decided by the terminal.
TUNB	TerminalUnableToProcess	Terminal cannot process offline the transaction.
RSTD	ReceiverStandin	Stand-in processing at the receiver's option.
RTIM	ReceiverTimeout	Receiver timed out on request.
RSGN	ReceiverSignedOff	Receiver signed off.
RUNV	ReceiverUnavailable	Receiver unavailable.
TOFF	TerminalProcessed	Transaction performed offline by the terminal.

27.4.2.3.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

27.4.2.3.8 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

27.4.2.3.9 TransactionIdentification <Txld>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification11](#)" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

27.4.2.3.10 TransactionCurrency <TxCcy>

Presence: [0..1]

Definition: Transaction currency of the acceptor.

ISO 4217

Impacted by: C3 "[ValidationByTable](#)"

Datatype: "[ISO3NumericCurrencyCode](#)" on page 1492

Constraints

- **ValidationByTable**

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

27.4.2.3.11 DetailedAmount <DtldAmt>

Presence: [0..*]

Definition: Further details of some or all amounts in the transaction amount.

The detailed amount is used to calculate the reconciliation amount for messages in which the transaction amount is absent.

DetailedAmount <DtldAmt> contains the following elements (see ["DetailedAmount20"](#) on page 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		851
	OtherType <OthrTp>	[0..1]	Text		851
	Amount <Amt>	[1..1]	±		851
	Label <Lbl>	[0..1]	Text		852

27.4.2.3.12 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field

ReconciliationAmount <RcncltnAmt> contains the following elements (see ["Amount4"](#) on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

27.4.2.3.13 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see ["AdditionalAmounts2"](#) on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Lbl>	[0..1]	Text		864

27.4.2.3.14 AdditionalFees <AddtlFees>*Presence:* [0..*]*Definition:* Fees not included in the transaction amount.**AdditionalFees <AddtlFees>** contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

27.4.2.3.15 FundsServices <FndsSvcs>*Presence:* [0..1]*Definition:* Financial services related to the account.**FundsServices <FndsSvcs>** contains the following elements (see ["FundingService1"](#) on page 1313 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

27.4.2.3.16 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 ["AccountDetails2"](#) on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

27.4.2.3.17 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

27.4.2.3.18 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

27.4.2.3.19 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		550
	Value <Val>	[0..1]	Text		550

27.4.2.3.19.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

27.4.2.3.19.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

27.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the verification.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult6" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1407
	Result <Rslt>	[0..1]	CodeSet		1408
	OtherResult <OthrRslt>	[0..1]	Text		1408
	ResultDetails <RsltDtls>	[1..1]	Text		1408
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1409
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1409
	Type <Tp>	[0..1]	Text		1409
	Value <Val>	[0..1]	Text		1409
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1409
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1410
	Action <Actn>	[0..*]	±		1410
	AdditionalAction <AddtlActn>	[0..*]	±		1410
	AdditionalInformation <AddtlInf>	[0..*]	±		1411

27.4.2.5 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 1534

27.4.2.6 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

27.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

27.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

28 cain.019.001.01 VerificationResponseV01

28.1 MessageDefinition Functionality

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

Outline

The VerificationResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the verification response
- C. SecurityTrailer
 - Trailer of the message containing a MAC.

28.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <VrfctnRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		558
	Body <Body>	[1..1]			559
	Environment <Envt>	[1..1]			561
	Acquirer <Acqrr>	[1..1]	±		561
	Sender <Sndr>	[0..1]	±		561
	Receiver <Rcvr>	[0..1]	±		562
	Acceptor <Accptr>	[0..1]	±		562
	Terminal <Termnl>	[0..1]	±		562
	Card <Card>	[0..1]	±		563
	Wallet <Wllt>	[0..1]	±		563
	Token <Tkn>	[0..1]	±		564
	Context <Cntxt>	[1..1]			564
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		564
	TransactionContext <TxCntxt>	[0..1]	±		565
	Verification <Vrfctn>	[0..*]	±		566
	RiskContext <RskCntxt>	[0..1]	±		566
	Transaction <Tx>	[1..1]			566
	TransactionType <TxTp>	[1..1]	Text		567
	TransactionSubType <TxSubTp>	[0..1]	Text		567
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		567
	TransactionIdentification <TxId>	[1..1]	±		568
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		568
	AdditionalAmounts <AddtlAmts>	[0..*]	±		569
	AdditionalFees <AddtlFees>	[0..*]	±		569
	AccountBalance <AcctBal>	[0..*]	±		570
	AccountFrom <AcctFr>	[0..1]	±		570
	TransactionDescription <TxDesc>	[0..1]	Text		570
	AdditionalData <AddtlData>	[0..*]			570
	Type <Tp>	[0..1]	Text		571

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val/>	[0..1]	Text		571
	ProcessingResult <PrpgRslt>	[1..1]	±		571
	ICCRelatedData <ICCRltdData>	[0..1]	Text		572
	ProtectedData <PrctcdData>	[0..*]	±		572
	SupplementaryData <SplmtryData>	[0..*]	±	C1	575
	SecurityTrailer <SctyTrlr>	[0..1]	±		575

28.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

28.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the verification response

Body <Body> contains the following **VerificationResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			561
	Acquirer <Acqrr>	[1..1]	±		561
	Sender <Sndr>	[0..1]	±		561
	Receiver <Rcvr>	[0..1]	±		562
	Acceptor <Accptr>	[0..1]	±		562
	Terminal <Termnl>	[0..1]	±		562
	Card <Card>	[0..1]	±		563
	Wallet <Wllt>	[0..1]	±		563
	Token <Tkn>	[0..1]	±		564
	Context <Cntxt>	[1..1]			564
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		564
	TransactionContext <TxCntxt>	[0..1]	±		565
	Verification <Vrfctn>	[0..*]	±		566
	RiskContext <RskCntxt>	[0..1]	±		566
	Transaction <Tx>	[1..1]			566
	TransactionType <TxTp>	[1..1]	Text		567
	TransactionSubType <TxSubTp>	[0..1]	Text		567
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		567
	TransactionIdentification <TxId>	[1..1]	±		568
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		568
	AdditionalAmounts <AddtlAmts>	[0..*]	±		569
	AdditionalFees <AddtlFees>	[0..*]	±		569
	AccountBalance <AcctBal>	[0..*]	±		570
	AccountFrom <AcctFr>	[0..1]	±		570
	TransactionDescription <TxDesc>	[0..1]	Text		570
	AdditionalData <AddtlData>	[0..*]			570
	Type <Tp>	[0..1]	Text		571
	Value <Val>	[0..1]	Text		571
	ProcessingResult <PrcgRslt>	[1..1]	±		571
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		572
	ProtectedData <PrctcdData>	[0..*]	±		572

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SupplementaryData <SplmtryData>	[0..*]	±	C1	575

28.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		561
	Sender <Sndr>	[0..1]	±		561
	Receiver <Rcvr>	[0..1]	±		562
	Acceptor <Accptr>	[0..1]	±		562
	Terminal <Termnl>	[0..1]	±		562
	Card <Card>	[0..1]	±		563
	Wallet <Wllt>	[0..1]	±		563
	Token <Tkn>	[0..1]	±		564

28.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Party in a contractual relationship with an acceptor to acquire card payment transactions.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

28.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

28.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

28.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

28.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

28.4.2.1.6 Card <Card>

Presence: [0..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData4" on page 883 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		884
	ProtectedPANIndicator <PrctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

28.4.2.1.7 Wallet <Wilt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wilt> contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWiltData>	[0..1]	Text		839

28.4.2.1.8 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

28.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		564
	TransactionContext <TxCntxt>	[0..1]	±		565
	Verification <Vrfctn>	[0..*]	±		566
	RiskContext <RskCntxt>	[0..1]	±		566

28.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Contains point of interaction information specific to a given transaction that may change from transaction to transaction.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

28.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

28.4.2.2.3 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 "[Verification2](#)" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

28.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

28.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction88** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		567
	TransactionSubType <TxSubTp>	[0..1]	Text		567
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		567
	TransactionIdentification <TxId>	[1..1]	±		568
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		568
	AdditionalAmounts <AddtlAmts>	[0..*]	±		569
	AdditionalFees <AddtlFees>	[0..*]	±		569
	AccountBalance <AcctBal>	[0..*]	±		570
	AccountFrom <AcctFr>	[0..1]	±		570
	TransactionDescription <TxDesc>	[0..1]	Text		570
	AdditionalData <AddtlData>	[0..*]			570
	Type <Tp>	[0..1]	Text		571
	Value <Val>	[0..1]	Text		571

28.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3.

Datatype: "Exact2AlphaNumericText" on page 1533

28.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

28.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlftcn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

28.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

28.4.2.3.5 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Further details of some or all amounts in the transaction amount.

The detailed amount is used to calculate the reconciliation amount for messages in which the transaction amount is absent.

ReconciliationAmount <RcncltnAmt> contains the following elements (see "Amount4" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

28.4.2.3.6 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "AdditionalAmounts2" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Lbl>	[0..1]	Text		864

28.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

28.4.2.3.8 AccountBalance <AcctBal>

Presence: [0..*]

Definition: Balance of an account.

AccountBalance <AcctBal> contains the following elements (see "[AccountBalance1](#)" on page 864 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	Text		864
	Balance <Bal>	[0..*]			864
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrdhldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

28.4.2.3.9 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

28.4.2.3.10 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "[Max1000Text](#)" on page 1534

28.4.2.3.11 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		571
	Value <Val>	[0..1]	Text		571

28.4.2.3.11.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

28.4.2.3.11.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

28.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the verification.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult6" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1407
	Result <Rslt>	[0..1]	CodeSet		1408
	OtherResult <OthrRslt>	[0..1]	Text		1408
	ResultDetails <RsltDtls>	[1..1]	Text		1408
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1409
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1409
	Type <Tp>	[0..1]	Text		1409
	Value <Val>	[0..1]	Text		1409
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1409
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1410
	Action <Actn>	[0..*]	±		1410
	AdditionalAction <AddtlActn>	[0..*]	±		1410
	AdditionalInformation <AddtlInf>	[0..*]	±		1411

28.4.2.5 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 1534

28.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

28.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

28.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

29 cain.020.001.01 AmendmentV01

29.1 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 AmendmentV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the Amendment message.
- C. SecurityTrailer
Trailer of the message containing a MAC

29.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <Amdmnt>	[1..1]			
	Header <Hdr>	[1..1]	±		579
	Body <Body>	[1..1]			579
	Environment <Envt>	[1..1]			580
	Originator <Orgtr>	[0..1]	±		580
	Sender <Sndr>	[0..1]	±		581
	Receiver <Rcvr>	[0..1]	±		581
	Destination <Dstn>	[0..1]	±		581
	Context <Cntxt>	[0..1]			582
	TransactionContext <TxCntxt>	[0..1]			582
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		582
	SettlementService <SttlmSvc>	[0..1]	±		583
	Transaction <Tx>	[1..1]			583
	AmendedData <AmddData>	[1..*]	±		584
	TransactionIdentification <TxId>	[1..1]	±		584
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		585
	MessageAmended <MsgAmdd>	[0..1]	Binary		585
	AdditionalData <AddtlData>	[0..*]			585
	Type <Tp>	[0..1]	Text		585
	Value <Val>	[0..1]	Text		586
	ProtectedData <PrctcdData>	[0..*]	±		586
	SupplementaryData <SplmtryData>	[0..*]	±	C1	589
	SecurityTrailer <SctyTrlr>	[0..1]	±		589

29.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

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 "Header46" on page 1159 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1160
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1160
	ExchangeIdentification <XchgId>	[0..1]	Text		1160
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1160
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1161
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1161
	InitiatingParty <InitgPty>	[1..1]	±		1161
	RecipientParty <RcptPty>	[0..1]	±		1161
	TraceData <TracData>	[0..*]			1162
	Type <Tp>	[0..1]	Text		1162
	Value <Val>	[0..1]	Text		1162
	Traceability <Tracblt>	[0..*]	±		1162

29.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the Amendment message.

Body <Body> contains the following **Amendment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			580
	Originator <Orgtr>	[0..1]	±		580
	Sender <Sndr>	[0..1]	±		581
	Receiver <Rcvr>	[0..1]	±		581
	Destination <Dstn>	[0..1]	±		581
	Context <Cntxt>	[0..1]			582
	TransactionContext <TxCntxt>	[0..1]			582
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		582
	SettlementService <SttlmSvc>	[0..1]	±		583
	Transaction <Tx>	[1..1]			583
	AmendedData <AmddData>	[1..*]	±		584
	TransactionIdentification <Txld>	[1..1]	±		584
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		585
	MessageAmended <MsgAmdd>	[0..1]	Binary		585
	AdditionalData <AddtlData>	[0..*]			585
	Type <Tp>	[0..1]	Text		585
	Value <Val>	[0..1]	Text		586
	ProtectedData <PrtctdData>	[0..*]	±		586
	SupplementaryData <SplmtryData>	[0..*]	±	C1	589

29.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Contains or describes the information pertaining to the actors interacting with the transaction.

Environment <Envt> contains the following **Environment3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		580
	Sender <Sndr>	[0..1]	±		581
	Receiver <Rcvr>	[0..1]	±		581
	Destination <Dstn>	[0..1]	±		581

29.4.2.1.1 Originator <Orgtr>

Presence: [0..1]

Definition: Initiator of the process.

Originator <Orgtr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

29.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

29.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

Definition: Party receiving the message from the originator or another intermediary agent.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

29.4.2.1.4 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the message.

Destination <Dstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

29.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			582
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		582
	SettlementService <SttlmSvc>	[0..1]	±		583

29.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		582
	SettlementService <SttlmSvc>	[0..1]	±		583

29.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

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CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

29.4.2.2.1.2 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "SettlementService2" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <SttlmSvcApId>	[0..1]			1398
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1399
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1400
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

29.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Transaction details of the amendment message.

Transaction <Tx> contains the following **Transaction102** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmendedData <AmddData>	[1..*]	±		584
	TransactionIdentification <TxId>	[1..1]	±		584
	OriginalMessage <OrgnlMsg>	[0..1]	Binary		585
	MessageAmended <MsgAmdd>	[0..1]	Binary		585
	AdditionalData <AddtlData>	[0..*]			585
	Type <Tp>	[0..1]	Text		585
	Value <Val>	[0..1]	Text		586

29.4.2.3.1 AmendedData <AmddData>

Presence: [1..*]

Definition: Detailed description of an error that caused the message to be corrected/amended. Transmitted for further analysis.

AmendedData <AmddData> contains the following elements (see "[DetailedError1](#)" on page 1192 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1193
	Description <Desc>	[1..1]	Text		1193
	Value <Val>	[0..1]	Text		1193

29.4.2.3.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification10" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

29.4.2.3.3 OriginalMessage <OrgnlMsg>

Presence: [0..1]

Definition: Original message before correction/amendment.

Datatype: "Max100KBinary" on page 1452

29.4.2.3.4 MessageAmended <MsgAmdd>

Presence: [0..1]

Definition: Message amended.

Datatype: "Max100KBinary" on page 1452

29.4.2.3.5 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		585
	Value <Val>	[0..1]	Text		586

29.4.2.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

29.4.2.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

29.4.2.4 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

29.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

29.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

30 cain.021.001.01 RetrievalInitiationV01

30.1 MessageDefinition Functionality

The RetrievalInitiation message is sent by an issuer or agent to an acquirer to retrieve the original transaction details.

Outline

The RetrievalInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the initiation of a retrieval of information.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

30.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <Rtrvlnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		593
	Body <Body>	[1..1]			594
	Environment <Envt>	[1..1]			596
	Acquirer <Acqrr>	[1..1]	±		596
	Sender <Sndr>	[0..1]	±		597
	Receiver <Rcvr>	[0..1]	±		597
	Acceptor <Accptr>	[0..1]	±		598
	Payer <Pyer>	[0..1]	±		598
	Payee <Pyee>	[0..1]	±		598
	Terminal <Termnl>	[0..1]	±		599
	Card <Card>	[1..1]	±		599
	Wallet <Wllt>	[0..1]	±		599
	Token <Tkn>	[0..1]	±		600
	Context <Cntxt>	[1..1]			600
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		600
	TransactionContext <TxCntxt>	[1..1]	±		601
	SaleContext <SaleCntxt>	[0..1]	±		602
	Transaction <Tx>	[0..1]			602
	MessageReason <MsgRsn>	[0..*]	Text		603
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		603
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		603
	TransactionIdentification <TxId>	[1..1]	±		604
	DisputeReference <DsptRef>	[0..*]	±		604
	RetrievalFulfilmentInstructions <RtrvFlfmltInstrs>	[0..*]	±		605
	AdditionalFees <AddtlFees>	[0..*]	±		605
	TransactionDescription <TxDesc>	[0..1]	Text		606
	AdditionalData <AddtlData>	[0..*]			606
	Type <Tp>	[0..1]	Text		606
	Value <Val>	[0..1]	Text		606

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalTransaction <OrgnlTx>	[1..1]			606
	Environment <Envnt>	[0..1]	±		606
	Context <Cntxt>	[0..1]	±		607
	Transaction <Tx>	[0..1]	±		608
	ProcessingResult <PrccgRsult>	[0..1]	±		608
	ProtectedData <PrctcdData>	[0..*]	±		609
	RetrievalFulfilmentDestination <RtrvlFlfmtDstn>	[0..1]	±		612
	SupplementaryData <SplmtryData>	[0..*]	±	C1	612
	SecurityTrailer <SctyTrlr>	[0..1]	±		613

30.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

C3 ValidationByTable

Must be a valid terrestrial language.

30.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

30.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "Header55" on page 1152 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1153
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1153
	ExchangeIdentification <XchgId>	[0..1]	Text		1153
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1154
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1154
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1154
	InitiatingParty <InitgPty>	[1..1]	±		1154
	RecipientParty <RcptPty>	[0..1]	±		1154
	TraceData <TracData>	[0..*]			1155
	Type <Tp>	[0..1]	Text		1155
	Value <Val>	[0..1]	Text		1155
	Traceability <Tracblt>	[0..*]	±		1155

30.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a retrieval of information.

Body <Body> contains the following **RetrievalInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			596
	Acquirer <Acqrr>	[1..1]	±		596
	Sender <Sndr>	[0..1]	±		597
	Receiver <Rcvr>	[0..1]	±		597
	Acceptor <Accptr>	[0..1]	±		598
	Payer <Pyer>	[0..1]	±		598
	Payee <Pyee>	[0..1]	±		598
	Terminal <Termnl>	[0..1]	±		599
	Card <Card>	[1..1]	±		599
	Wallet <Wlt>	[0..1]	±		599
	Token <Tkn>	[0..1]	±		600
	Context <Cntxt>	[1..1]			600
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		600
	TransactionContext <TxCntxt>	[1..1]	±		601
	SaleContext <SaleCntxt>	[0..1]	±		602
	Transaction <Tx>	[0..1]			602
	MessageReason <MsgRsn>	[0..*]	Text		603
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		603
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		603
	TransactionIdentification <TxId>	[1..1]	±		604
	DisputeReference <DsptRef>	[0..*]	±		604
	RetrievalFulfilmentInstructions <RtrvFlfmlInstrs>	[0..*]	±		605
	AdditionalFees <AddtlFees>	[0..*]	±		605
	TransactionDescription <TxDesc>	[0..1]	Text		606
	AdditionalData <AddtlData>	[0..*]			606
	Type <Tp>	[0..1]	Text		606
	Value <Val>	[0..1]	Text		606
	OriginalTransaction <OrgnlTx>	[1..1]			606
	Environment <Envt>	[0..1]	±		606
	Context <Cntxt>	[0..1]	±		607
	Transaction <Tx>	[0..1]	±		608

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProcessingResult <PrcgRslt>	[0..1]	±		608
	ProtectedData <PrctcdData>	[0..*]	±		609
	RetrievalFulfilmentDestination <RtrvlFlfmtDstn>	[0..1]	±		612
	SupplementaryData <SplmtryData>	[0..*]	±	C1	612

30.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		596
	Sender <Sndr>	[0..1]	±		597
	Receiver <Rcvr>	[0..1]	±		597
	Acceptor <Accptr>	[0..1]	±		598
	Payer <Pyer>	[0..1]	±		598
	Payee <Pyee>	[0..1]	±		598
	Terminal <Termnl>	[0..1]	±		599
	Card <Card>	[1..1]	±		599
	Wallet <Wlft>	[0..1]	±		599
	Token <Tkn>	[0..1]	±		600

30.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

30.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

30.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

30.4.2.1.4 Acceptor <Accptr>*Presence:* [0..1]*Definition:* Card acceptor performing the card transaction.**Acceptor <Accptr>** contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

30.4.2.1.5 Payer <Pyer>*Presence:* [0..1]*Definition:* Person initiating a payment to the benefit of a payee.**Payer <Pyer>** contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

30.4.2.1.6 Payee <Pyee>*Presence:* [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see "[PartyIdentification211](#)" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

30.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "[Terminal2](#)" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

30.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData5](#)" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrctcdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

30.4.2.1.9 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see "[Wallet1](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

30.4.2.1.10 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

30.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following **Context4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		600
	TransactionContext <TxCntxt>	[1..1]	±		601
	SaleContext <SaleCntxt>	[0..1]	±		602

30.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

30.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

30.4.2.2.3 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltpmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

30.4.2.2.3 Transaction <Tx>

Presence: [0..1]

Definition: Original transaction for which a retrieval is requested.

Transaction <Tx> contains the following **Transaction89** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		603
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		603
	SpecialProgrammeQualification <SpclPrgrmmQlfcfn>	[0..*]	±		603
	TransactionIdentification <TxId>	[1..1]	±		604
	DisputeReference <DsptRef>	[0..*]	±		604
	RetrievalFulfilmentInstructions <RtrvlFlfmlInstrs>	[0..*]	±		605
	AdditionalFees <AddtlFees>	[0..*]	±		605
	TransactionDescription <TxDesc>	[0..1]	Text		606
	AdditionalData <AddtlData>	[0..*]			606
	Type <Tp>	[0..1]	Text		606
	Value <Val>	[0..1]	Text		606

30.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

30.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

30.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfcfn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlftcn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

30.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

30.4.2.3.5 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Issuer provides a reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

30.4.2.3.6 RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1191 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[0..1]			1191
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblshdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActlDlvryMtd>	[0..1]	Text		1191
	DeliveryInformation <DlvryInf>	[0..1]	±		1192
	AdditionalInformation <AddtlInf>	[0..1]	±		1192

30.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

30.4.2.3.8 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

30.4.2.3.9 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		606
	Value <Val>	[0..1]	Text		606

30.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

30.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

30.4.2.4 OriginalTransaction <OrgnlTx>

Presence: [1..1]

Definition: Contains details of the transaction to be retrieved.

OriginalTransaction <OrgnlTx> contains the following **OriginalTransaction1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		606
	Context <Cntxt>	[0..1]	±		607
	Transaction <Tx>	[0..1]	±		608
	ProcessingResult <PrcgRslt>	[0..1]	±		608

30.4.2.4.1 Environment <Envt>

Presence: [0..1]

Definition: Details of the original message for which a retrieval is being requested.

Environment <Envt> contains the following elements (see "Environment6" on page 1103 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1104
	Sender <Sndr>	[0..1]	±		1105
	Receiver <Rcvr>	[0..1]	±		1105
	Acceptor <Accptr>	[0..1]	±		1105
	Payer <Pyer>	[0..1]	±		1106
	Payee <Pyee>	[0..1]	±		1106
	Terminal <Termnl>	[0..1]			1107
	TerminalIdentification <Termnld>	[0..1]	±		1107
	Capabilities <Cpblties>	[0..1]	±		1107
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	±		1108
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1108
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1109
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1109
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1109
	POIComponent <POICmpnt>	[0..*]	±		1110
	Card <Card>	[1..1]	±		1112
	CustomerDevice <CstmrDvc>	[0..1]	±		1112
	Wallet <Wlt>	[0..1]	±		1113
	Token <Tkn>	[0..1]	±		1113
	Cardholder <Crhdldr>	[0..1]	±		1113

30.4.2.4.2 Context <Cntxt>

Presence: [0..1]

Definition: Details of the original message for which a retrieval is being requested.

Context <Cntxt> contains the following elements (see "Context3" on page 1124 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		1125
	TransactionContext <TxCntxt>	[1..1]	±		1126
	Verification <Vrfctn>	[0..*]	±		1127
	RiskContext <RskCntxt>	[0..1]	±		1127
	SaleContext <SaleCntxt>	[0..1]	±		1128

30.4.2.4.3 Transaction <Tx>*Presence:* [0..1]*Definition:* Contains the original transaction details.**Transaction <Tx>** contains the following elements (see "Transaction85" on page 945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	Text		946
	TransactionSubType <TxSubTp>	[0..1]	Text		946
	AdditionalService <AddtlSvc>	[0..*]	±		947
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		947
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		948
	MessageReason <MsgRsn>	[0..*]	Text		948
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		948
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		948
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		948
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		948
	TransactionIdentification <TxId>	[0..1]	±		949
	DisputeData <DsptData>	[0..*]	±		949
	TransactionAmounts <TxAmts>	[0..1]	±		950
	AdditionalAmounts <AddtlAmts>	[0..*]	±		950
	AdditionalFees <AddtlFees>	[0..*]	±		951
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		951
	DepositDetails <DpstDtls>	[0..*]	±		952
	FundsServices <FndsSvcs>	[0..1]	±		952
	AccountFrom <AcctFr>	[0..1]	±		952
	AccountTo <AcctTo>	[0..1]	±		952
	TransactionDescription <TxDesc>	[0..1]	Text		953
	AdditionalData <AddtlData>	[0..*]			953
	Type <Tp>	[0..1]	Text		953
	Value <Val>	[0..1]	Text		953

30.4.2.4.4 ProcessingResult <PrcgRslt>*Presence:* [0..1]*Definition:* Contains the processing results of the transaction to be retrieved.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult2" on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsItData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsItData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

30.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

30.4.2.6 RetrievalFulfilmentDestination <RtrvIfFmtDstn>

Presence: [0..1]

Definition: Destination ID or routing information of Retrieval fulfilment initiation message.

RetrievalFulfilmentDestination <RtrvIfFmtDstn> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

30.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "[SupplementaryData1](#)" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

30.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "[ContentInformationType20](#)" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngh>	[0..1]	Text		1366
	KeyProtection <KeyPrtc>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

31 cain.022.001.01 RetrievalResponseV01

31.1 MessageDefinition Functionality

The RetrievalResponse message is sent by an acquirer to an issuer or agent in response to an RetrievalInitiation message.

Outline

The RetrievalResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the response to the request of a retrieval of information.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

31.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <RtrvIRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		616
	Body <Body>	[1..1]			617
	Environment <Envt>	[1..1]			619
	Acquirer <Acqrr>	[1..1]	±		619
	Sender <Sndr>	[0..1]	±		619
	Receiver <Rcvr>	[0..1]	±		620
	Acceptor <Accptr>	[0..1]	±		620
	Payer <Pyer>	[0..1]	±		621
	Payee <Pyee>	[0..1]	±		621
	Terminal <Termnl>	[0..1]	±		622
	Card <Card>	[1..1]	±		622
	Wallet <Wllt>	[0..1]	±		622
	Token <Tkn>	[0..1]	±		623
	Context <Cntxt>	[0..1]			623
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		623
	TransactionContext <TxCntxt>	[1..1]	±		624
	SaleContext <SaleCntxt>	[0..1]	±		625
	Transaction <Tx>	[0..1]			625
	MessageReason <MsgRsn>	[0..*]	Text		626
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		626
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		626
	TransactionIdentification <TxId>	[1..1]	±		627
	DisputeReference <DsptRef>	[0..*]	±		627
	RetrievalFulfilmentInstructions <RtrvFlfmltInstrs>	[0..*]	±		628
	AdditionalFees <AddtlFees>	[0..*]	±		628
	TransactionDescription <TxDesc>	[0..1]	Text		629
	AdditionalData <AddtlData>	[0..*]			629
	Type <Tp>	[0..1]	Text		629
	Value <Val>	[0..1]	Text		629

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProcessingResult <PrcgRslt>	[1..1]	±		629
	ProtectedData <PrtctdData>	[0..*]	±		630
	SupplementaryData <SplmtryData>	[0..*]	±	C1	633
	SecurityTrailer <SctyTrlr>	[0..1]	±		633

31.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

31.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

31.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management.

Header <Hdr> contains the following elements (see "[Header55](#)" on page 1152 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1153
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1153
	ExchangeIdentification <XchgId>	[0..1]	Text		1153
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1154
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1154
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1154
	InitiatingParty <InitgPty>	[1..1]	±		1154
	RecipientParty <RcptPty>	[0..1]	±		1154
	TraceData <TracData>	[0..*]			1155
	Type <Tp>	[0..1]	Text		1155
	Value <Val>	[0..1]	Text		1155
	Traceability <Tracblt>	[0..*]	±		1155

31.4.2 **Body <Body>**

Presence: [1..1]

Definition: Information related to the response to the request of a retrieval of information.

Body <Body> contains the following **RetrievalResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			619
	Acquirer <Acqrr>	[1..1]	±		619
	Sender <Sndr>	[0..1]	±		619
	Receiver <Rcvr>	[0..1]	±		620
	Acceptor <Accptr>	[0..1]	±		620
	Payer <Pyer>	[0..1]	±		621
	Payee <Pyee>	[0..1]	±		621
	Terminal <Termnl>	[0..1]	±		622
	Card <Card>	[1..1]	±		622
	Wallet <Wlft>	[0..1]	±		622
	Token <Tkn>	[0..1]	±		623
	Context <Cntxt>	[0..1]			623
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		623
	TransactionContext <TxCntxt>	[1..1]	±		624
	SaleContext <SaleCntxt>	[0..1]	±		625
	Transaction <Tx>	[0..1]			625
	MessageReason <MsgRsn>	[0..*]	Text		626
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		626
	SpecialProgrammeQualification <SpclPrgrmmQlfcnt>	[0..*]	±		626
	TransactionIdentification <TxId>	[1..1]	±		627
	DisputeReference <DsptRef>	[0..*]	±		627
	RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>	[0..*]	±		628
	AdditionalFees <AddtlFees>	[0..*]	±		628
	TransactionDescription <TxDesc>	[0..1]	Text		629
	AdditionalData <AddtlData>	[0..*]			629
	Type <Tp>	[0..1]	Text		629
	Value <Val>	[0..1]	Text		629
	ProcessingResult <PrcgRslt>	[1..1]	±		629
	ProtectedData <PrctcdData>	[0..*]	±		630
	SupplementaryData <SplmtryData>	[0..*]	±	C1	633

31.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		619
	Sender <Sndr>	[0..1]	±		619
	Receiver <Rcvr>	[0..1]	±		620
	Acceptor <Accptr>	[0..1]	±		620
	Payer <Pyer>	[0..1]	±		621
	Payee <Pyee>	[0..1]	±		621
	Terminal <Termnl>	[0..1]	±		622
	Card <Card>	[1..1]	±		622
	Wallet <Wllt>	[0..1]	±		622
	Token <Tkn>	[0..1]	±		623

31.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

31.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

31.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

31.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Acceptor> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrcht>	[0..*]	±		1223

31.4.2.1.5 Payer <Payer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Payer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

31.4.2.1.6 Payee <Payee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see ["PartyIdentification211"](#) on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

31.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see ["Terminal2"](#) on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

31.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see ["CardData5"](#) on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

31.4.2.1.9 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see ["Wallet1"](#) on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

31.4.2.1.10 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

31.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Context of the transaction.

Context <Cntxt> contains the following **Context4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		623
	TransactionContext <TxCntxt>	[1..1]	±		624
	SaleContext <SaleCntxt>	[0..1]	±		625

31.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

31.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext3](#)" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

31.4.2.2.3 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltpmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

31.4.2.3 Transaction <Tx>

Presence: [0..1]

Definition: Original transaction for which a retrieval is requested.

Transaction <Tx> contains the following **Transaction89** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		626
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		626
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		626
	TransactionIdentification <TxId>	[1..1]	±		627
	DisputeReference <DsptRef>	[0..*]	±		627
	RetrievalFulfilmentInstructions <RtrvlFlfmtlnstrs>	[0..*]	±		628
	AdditionalFees <AddtlFees>	[0..*]	±		628
	TransactionDescription <TxDesc>	[0..1]	Text		629
	AdditionalData <AddtlData>	[0..*]			629
	Type <Tp>	[0..1]	Text		629
	Value <Val>	[0..1]	Text		629

31.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

31.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

31.4.2.3.3 SpecialProgrammeQualification <SpclPrgrmmQlfctn>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlftcn> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

31.4.2.3.4 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

31.4.2.3.5 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Issuer provides a reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

31.4.2.3.6 RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs>

Presence: [0..*]

Definition: Fulfilment request instructions for the retrieval.

RetrievalFulfilmentInstructions <RtrvIFlfmtlnstrs> contains the following elements (see "RetrievalFulfilmentInstructions1" on page 1191 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[0..1]			1191
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblshdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActlDlvryMtd>	[0..1]	Text		1191
	DeliveryInformation <DlvryInf>	[0..1]	±		1192
	AdditionalInformation <AddtlInf>	[0..1]	±		1192

31.4.2.3.7 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

31.4.2.3.8 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

31.4.2.3.9 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		629
	Value <Val>	[0..1]	Text		629

31.4.2.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

31.4.2.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

31.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

31.4.2.5 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

31.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

31.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

32 cain.023.001.01 CardManagementInitiationV01

32.1 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 CardManagementInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the card management initiation.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

32.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <CardMgmtInittn>	[1..1]			
	Header <Hdr>	[1..1]	±		637
	Body <Body>	[1..1]			638
	Environment <Envnt>	[1..1]			640
	Acquirer <Acqrr>	[1..1]	±		640
	Sender <Sndr>	[0..1]	±		641
	Receiver <Rcvr>	[0..1]	±		641
	Acceptor <Accptr>	[1..1]	±		642
	Terminal <Termnl>	[0..1]	±		642
	Card <Card>	[1..1]	±		643
	CustomerDevice <CstmrDvc>	[0..1]	±		644
	Wallet <Wlt>	[0..1]	±		644
	Token <Tkn>	[0..1]	±		645
	Cardholder <Crhdldr>	[0..1]	±		645
	Context <Cntxt>	[1..1]			645
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		646
	TransactionContext <TxCntxt>	[1..1]	±		647
	Verification <Vrfctn>	[0..*]	±		648
	RiskContext <RskCntxt>	[0..1]	±		648
	Transaction <Tx>	[1..1]			649
	TransactionType <TxTp>	[1..1]	Text		649
	TransactionSubType <TxSubTp>	[0..1]	Text		650
	MessageReason <MsgRsn>	[0..*]	Text		650
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		650
	TransactionIdentification <TxId>	[1..1]	±		650
	NewPINData <NewPINData>	[0..1]	±		651
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	652
	DetailedAmount <DtldAmt>	[0..*]	±		652
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		652
	AdditionalAmounts <AddtlAmts>	[0..*]	±		653

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalFees <AddtlFees>	[0..*]	±		653
	AccountFrom <AcctFr>	[0..1]	±		654
	AccountTo <AcctTo>	[0..1]	±		654
	AdditionalData <AddtlData>	[0..*]			654
	Type <Tp>	[0..1]	Text		654
	Value <Val>	[0..1]	Text		654
	ProcessingResult <PrcgRslt>	[0..1]	±		655
	ICCRelatedData <ICCRltdData>	[0..1]	Text		655
	ProtectedData <PrctcdData>	[0..*]	±		655
	SupplementaryData <SplmtryData>	[0..*]	±	C1	658
	SecurityTrailer <SctyTrlr>	[0..1]	±		658

32.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

Must be a valid terrestrial language.

C3 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: [1..1]

Definition: Information related to the management of the protocol.

Header <Hdr> contains the following elements (see "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

32.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the card management initiation.

Body <Body> contains the following **CardManagementInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			640
	Acquirer <Acqrr>	[1..1]	±		640
	Sender <Sndr>	[0..1]	±		641
	Receiver <Rcvr>	[0..1]	±		641
	Acceptor <Accptr>	[1..1]	±		642
	Terminal <Termnl>	[0..1]	±		642
	Card <Card>	[1..1]	±		643
	CustomerDevice <CstmrDvc>	[0..1]	±		644
	Wallet <Wlt>	[0..1]	±		644
	Token <Tkn>	[0..1]	±		645
	Cardholder <Crdhldr>	[0..1]	±		645
	Context <Cntxt>	[1..1]			645
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		646
	TransactionContext <TxCntxt>	[1..1]	±		647
	Verification <Vrfctn>	[0..*]	±		648
	RiskContext <RskCntxt>	[0..1]	±		648
	Transaction <Tx>	[1..1]			649
	TransactionType <TxTp>	[1..1]	Text		649
	TransactionSubType <TxSubTp>	[0..1]	Text		650
	MessageReason <MsgRsn>	[0..*]	Text		650
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		650
	TransactionIdentification <TxId>	[1..1]	±		650
	NewPINData <NewPINData>	[0..1]	±		651
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	652
	DetailedAmount <DtldAmt>	[0..*]	±		652
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		652
	AdditionalAmounts <AddtlAmts>	[0..*]	±		653
	AdditionalFees <AddtlFees>	[0..*]	±		653
	AccountFrom <AcctFr>	[0..1]	±		654
	AccountTo <AcctTo>	[0..1]	±		654
	AdditionalData <AddtlData>	[0..*]			654

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		654
	Value <Val>	[0..1]	Text		654
	ProcessingResult <PrcgRslt>	[0..1]	±		655
	ICCRelatedData <ICCRltdData>	[0..1]	Text		655
	ProtectedData <PrtctdData>	[0..*]	±		655
	SupplementaryData <SplmtryData>	[0..*]	±	C1	658

32.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		640
	Sender <Sndr>	[0..1]	±		641
	Receiver <Rcvr>	[0..1]	±		641
	Acceptor <Accpt>	[1..1]	±		642
	Terminal <Termnl>	[0..1]	±		642
	Card <Card>	[1..1]	±		643
	CustomerDevice <CstmrDvc>	[0..1]	±		644
	Wallet <Wllt>	[0..1]	±		644
	Token <Tkn>	[0..1]	±		645
	Cardholder <Crdhldr>	[0..1]	±		645

32.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

32.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

32.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

32.4.2.1.4 Acceptor <Accptr>*Presence:* [1..1]*Definition:* Card acceptor performing the card transaction.**Acceptor <Accptr>** contains the following elements (see "[PartyIdentification203](#)" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

32.4.2.1.5 Terminal <Termnl>*Presence:* [0..1]*Definition:* Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal1" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

32.4.2.1.6 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData1](#)" on page 876 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

32.4.2.1.7 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

32.4.2.1.8 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 "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

32.4.2.1.9 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

32.4.2.1.10 Cardholder <Crdhldr>

Presence: [0..1]

Definition: Cardholder performing the card payment transaction.

Cardholder <Crdhldr> contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

32.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		646
	TransactionContext <TxCntxt>	[1..1]	±		647
	Verification <Vrfctn>	[0..*]	±		648
	RiskContext <RskCntxt>	[0..1]	±		648

32.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

32.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext1](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

32.4.2.2.3 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 "[Verification1](#)" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

32.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

32.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card management initiation transaction.

Transaction <Tx> contains the following **Transaction76** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		649
	TransactionSubType <TxSubTp>	[0..1]	Text		650
	MessageReason <MsgRsn>	[0..*]	Text		650
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		650
	TransactionIdentification <TxId>	[1..1]	±		650
	NewPINData <NewPINData>	[0..1]	±		651
	TransactionCurrency <TxCcy>	[0..1]	CodeSet	C3	652
	DetailedAmount <DtldAmt>	[0..*]	±		652
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		652
	AdditionalAmounts <AddtlAmts>	[0..*]	±		653
	AdditionalFees <AddtlFees>	[0..*]	±		653
	AccountFrom <AcctFr>	[0..1]	±		654
	AccountTo <AcctTo>	[0..1]	±		654
	AdditionalData <AddtlData>	[0..*]			654
	Type <Tp>	[0..1]	Text		654
	Value <Val>	[0..1]	Text		654

32.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "[Exact2AlphaNumericText](#)" on page 1533

32.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

32.4.2.3.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

32.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1539

32.4.2.3.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

32.4.2.3.6 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 1240 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1241
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1241
	DerivedInformation <DrvdInf>	[0..1]	Text		1241
	Algorithm <Algo>	[0..1]	Text		1242
	KeyLength <KeyLngth>	[0..1]	Text		1242
	KeyProtection <KeyPrctn>	[0..1]	Text		1242
	KeyIndex <KeyIndx>	[0..1]	Text		1242
	PINBlockFormat <PINBlckFmt>	[1..1]	Text		1242
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1242

32.4.2.3.7 TransactionCurrency <TxCcy>*Presence:* [0..1]*Definition:* Transaction currency of the acceptor.

ISO 4217

Impacted by: C3 "ValidationByTable"*Datatype:* "ISO3NumericCurrencyCode" on page 1492**Constraints**

- **ValidationByTable**

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

32.4.2.3.8 DetailedAmount <DtldAmt>*Presence:* [0..*]*Definition:* Further details of some or all amounts in the transaction amount.

The detailed amount is used to calculate the reconciliation amount for messages in which the transaction amount is absent.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount20](#)" on page 851 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		851
	OtherType <OthrTp>	[0..1]	Text		851
	Amount <Amt>	[1..1]	±		851
	Label <Lbl>	[0..1]	Text		852

32.4.2.3.9 ReconciliationAmount <RcncltnAmt>*Presence:* [0..1]*Definition:* Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field

ReconciliationAmount <RcncltnAmt> contains the following elements (see "Amount4" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

32.4.2.3.10 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "AdditionalAmounts2" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Lbl>	[0..1]	Text		864

32.4.2.3.11 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

32.4.2.3.12 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

32.4.2.3.13 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

32.4.2.3.14 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		654
	Value <Val>	[0..1]	Text		654

32.4.2.3.14.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**32.4.2.3.14.2 Value <Val>***Presence:* [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

32.4.2.4 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqr>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

32.4.2.5 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 1534

32.4.2.6 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

32.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

32.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngh>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

33 cain.024.001.01 CardManagementResponseV01

33.1 MessageDefinition Functionality

The CardManagementResponse message is sent by an issuer or an agent to an acquirer in response to a CardManagementInitiation message.

Outline

The CardManagementResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to the card management response.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

33.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <CardMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		662
	Body <Body>	[1..1]			663
	Environment <Envt>	[1..1]			665
	Acquirer <Acqrr>	[1..1]	±		665
	Sender <Sndr>	[0..1]	±		665
	Receiver <Rcvr>	[0..1]	±		666
	Acceptor <Accptr>	[0..1]	±		666
	Terminal <Termnl>	[0..1]	±		667
	Card <Card>	[1..1]	±		667
	CustomerDevice <CstmrDvc>	[0..1]	±		667
	Wallet <Wlt>	[0..1]	±		668
	Token <Tkn>	[0..1]	±		668
	Context <Cntxt>	[1..1]			668
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		669
	TransactionContext <TxCntxt>	[1..1]	±		670
	Verification <Vrfctn>	[0..*]	±		671
	RiskContext <RskCntxt>	[0..1]	±		671
	Transaction <Tx>	[1..1]			672
	TransactionType <TxTp>	[1..1]	Text		672
	TransactionSubType <TxSubTp>	[0..1]	Text		672
	TransactionIdentification <TxId>	[1..1]	±		672
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		673
	AdditionalAmounts <AddtlAmts>	[0..*]	±		673
	AdditionalFees <AddtlFees>	[0..*]	±		674
	AdditionalData <AddtlData>	[0..*]			674
	Type <Tp>	[0..1]	Text		674
	Value <Val>	[0..1]	Text		675
	ProcessingResult <PrccgRslt>	[1..1]	±		675
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		675

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProtectedData <PrtctdData>	[0..*]	±		675
	SupplementaryData <SplmtryData>	[0..*]	±	C2	678
	SecurityTrailer <SctyTrlr>	[0..1]	±		678

33.3 Constraints

C1 Country

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

C2 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C3 ValidationByTable

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

C4 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 "Header39" on page 1179 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <XchgId>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

33.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the card management response.

Body <Body> contains the following **CardManagementResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			665
	Acquirer <Acqrr>	[1..1]	±		665
	Sender <Sndr>	[0..1]	±		665
	Receiver <Rcvr>	[0..1]	±		666
	Acceptor <Accptr>	[0..1]	±		666
	Terminal <Termnl>	[0..1]	±		667
	Card <Card>	[1..1]	±		667
	CustomerDevice <CstmrDvc>	[0..1]	±		667
	Wallet <Wlt>	[0..1]	±		668
	Token <Tkn>	[0..1]	±		668
	Context <Cntxt>	[1..1]			668
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		669
	TransactionContext <TxCntxt>	[1..1]	±		670
	Verification <Vrfctn>	[0..*]	±		671
	RiskContext <RskCntxt>	[0..1]	±		671
	Transaction <Tx>	[1..1]			672
	TransactionType <TxTp>	[1..1]	Text		672
	TransactionSubType <TxSubTp>	[0..1]	Text		672
	TransactionIdentification <TxId>	[1..1]	±		672
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		673
	AdditionalAmounts <AddtlAmts>	[0..*]	±		673
	AdditionalFees <AddtlFees>	[0..*]	±		674
	AdditionalData <AddtlData>	[0..*]			674
	Type <Tp>	[0..1]	Text		674
	Value <Val>	[0..1]	Text		675
	ProcessingResult <PrcgRslt>	[1..1]	±		675
	ICCRRelatedData <ICCRltdData>	[0..1]	Text		675
	ProtectedData <PrctcdData>	[0..*]	±		675
	SupplementaryData <SplmtryData>	[0..*]	±	C2	678

33.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		665
	Sender <Sndr>	[0..1]	±		665
	Receiver <Rcvr>	[0..1]	±		666
	Acceptor <Accptr>	[0..1]	±		666
	Terminal <Termnl>	[0..1]	±		667
	Card <Card>	[1..1]	±		667
	CustomerDevice <CstmrDvc>	[0..1]	±		667
	Wallet <Wllt>	[0..1]	±		668
	Token <Tkn>	[0..1]	±		668

33.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Party in a contractual relationship with an acceptor to acquire card payment transactions.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

33.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

33.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

33.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "[PartyIdentification204](#)" on page 1218 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1218
	Assigner <Assgnr>	[0..1]	Text		1219
	Country <Ctry>	[0..1]	CodeSet	C1	1219
	ShortName <ShrtNm>	[0..1]	Text		1219
	AdditionalIdentification <AddtlId>	[0..1]	Text		1219
	NameAndLocation <NmAndLctn>	[1..1]	Text		1219

33.4.2.1.5 Terminal <Termnl>*Presence:* [0..1]*Definition:* Payment terminal or ATM performing the transaction.**Terminal <Termnl>** contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

33.4.2.1.6 Card <Card>*Presence:* [1..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "CardData4" on page 883 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		884
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

33.4.2.1.7 CustomerDevice <CstmrDvc>*Presence:* [0..1]*Definition:* Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "CustomerDevice2" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

33.4.2.1.8 Wallet <Wlt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <Wlt> contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

33.4.2.1.9 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

33.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the card transaction is performed.

Context <Cntxt> contains the following **Context5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[1..1]	±		669
	TransactionContext <TxCntxt>	[1..1]	±		670
	Verification <Vrfctn>	[0..*]	±		671
	RiskContext <RskCntxt>	[0..1]	±		671

33.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

33.4.2.2.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext1](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

33.4.2.2.3 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 "[Verification1](#)" on page 1439 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

33.4.2.2.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

33.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Response to a card management Initiation transaction.

Transaction <Tx> contains the following **Transaction81** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[1..1]	Text		672
	TransactionSubType <TxSubTp>	[0..1]	Text		672
	TransactionIdentification <TxId>	[1..1]	±		672
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		673
	AdditionalAmounts <AddtlAmts>	[0..*]	±		673
	AdditionalFees <AddtlFees>	[0..*]	±		674
	AdditionalData <AddtlData>	[0..*]			674
	Type <Tp>	[0..1]	Text		674
	Value <Val>	[0..1]	Text		675

33.4.2.3.1 TransactionType <TxTp>

Presence: [1..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "[Exact2AlphaNumericText](#)" on page 1533

33.4.2.3.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "[Max35Text](#)" on page 1539

33.4.2.3.3 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification8" on page 1292 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

33.4.2.3.4 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field.

ReconciliationAmount <RcncltnAmt> contains the following elements (see "Amount4" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

33.4.2.3.5 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts2](#)" on page 863 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Labl>	[0..1]	Text		864

33.4.2.3.6 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

33.4.2.3.7 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		674
	Value <Val>	[0..1]	Text		675

33.4.2.3.7.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

33.4.2.3.7.2 Value <Val>*Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**33.4.2.4 ProcessingResult <PrcgRslt>***Presence:* [1..1]*Definition:* Outcome of the processing of the transaction.**ProcessingResult <PrcgRslt>** contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

33.4.2.5 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 1534**33.4.2.6 ProtectedData <PrtctdData>***Presence:* [0..*]*Definition:* Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

33.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C2 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

33.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

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AddendumInitiationV01

34.1 MessageDefinition Functionality

The AddendumInitiation message is sent by an acquirer or an agent to an issuer to provide 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 AddendumInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

The AddendumInitiation is used to provide 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.

C. SecurityTrailer

Trailer of the message containing a MAC.

34.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdddmInitn>	[1..1]			
	Header <Hdr>	[1..1]	±		682
	Body <Body>	[0..1]			682
	Environment <Envt>	[1..1]			683
	Acquirer <Acqrr>	[1..1]	±		684
	Sender <Sndr>	[0..1]	±		684
	Receiver <Rcvr>	[0..1]	±		685
	Destination <Dstn>	[0..1]	±		685
	Card <Card>	[0..1]	±		685
	Token <Tkn>	[0..1]	±		686
	Context <Cntxt>	[0..1]			686
	TransactionContext <TxCntxt>	[0..1]			686
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		686
	Transaction <Tx>	[1..1]			687
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		687
	TransactionIdentification <TxId>	[1..1]	±		687
	DataSource <DataSrc>	[0..1]	Text		688
	AdditionalFees <AddtlFees>	[0..*]	±		688
	TransactionDescription <TxDesc>	[0..1]	Text		688
	AdditionalData <AddtlData>	[0..*]			689
	Type <Tp>	[0..1]	Text		689
	Value <Val>	[0..1]	Text		689
	AddendumData <AdddmData>	[1..1]	±		689
	ProtectedData <PrctcdData>	[0..*]	±		690
	SupplementaryData <SplmtryData>	[0..*]	±	C1	693
	SecurityTrailer <SctyTrlr>	[0..1]	±		693

34.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

C3 ValidationByTable

Must be a valid terrestrial language.

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 "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

34.4.2 Body <Body>

Presence: [0..1]

Definition: The AddendumInitiation is used to provide 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.

Body <Body> contains the following **AddendumInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			683
	Acquirer <Acqrr>	[1..1]	±		684
	Sender <Sndr>	[0..1]	±		684
	Receiver <Rcvr>	[0..1]	±		685
	Destination <Dstn>	[0..1]	±		685
	Card <Card>	[0..1]	±		685
	Token <Tkn>	[0..1]	±		686
	Context <Cntxt>	[0..1]			686
	TransactionContext <TxCntxt>	[0..1]			686
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		686
	Transaction <Tx>	[1..1]			687
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		687
	TransactionIdentification <TxId>	[1..1]	±		687
	DataSource <DataSrc>	[0..1]	Text		688
	AdditionalFees <AddtlFees>	[0..*]	±		688
	TransactionDescription <TxDesc>	[0..1]	Text		688
	AdditionalData <AddtlData>	[0..*]			689
	Type <Tp>	[0..1]	Text		689
	Value <Val>	[0..1]	Text		689
	AddendumData <AdddmData>	[1..1]	±		689
	ProtectedData <PrctcdData>	[0..*]	±		690
	SupplementaryData <SplmtryData>	[0..*]	±	C1	693

34.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Contains or describes the information pertaining to the actors interacting with the transaction.

Environment <Envt> contains the following **Environment16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		684
	Sender <Sndr>	[0..1]	±		684
	Receiver <Rcvr>	[0..1]	±		685
	Destination <Dstn>	[0..1]	±		685
	Card <Card>	[0..1]	±		685
	Token <Tkn>	[0..1]	±		686

34.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

34.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

34.4.2.1.3 Receiver <Rcvr>*Presence:* [0..1]*Definition:* Party receiving the message from the origin or from an intermediary agent.

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

34.4.2.1.4 Destination <Dstn>*Presence:* [0..1]*Definition:* Destination of the message.**Destination <Dstn>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

34.4.2.1.5 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData2](#)" on page 889 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		890
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		890
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		890
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		890

34.4.2.1.6 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		1439

34.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Contains or describes conditions and characteristics of the transaction.**Context <Cntxt>** contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			686
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		686

34.4.2.2.1 TransactionContext <TxCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction.**TransactionContext <TxCntxt>** contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		686

34.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>*Presence:* [0..1]*Definition:* Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

34.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction91** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssociatedDataReference <AssocdtdDataRef>	[0..1]	Text		687
	TransactionIdentification <TxId>	[1..1]	±		687
	DataSource <DataSrc>	[0..1]	Text		688
	AdditionalFees <AddtlFees>	[0..*]	±		688
	TransactionDescription <TxDesc>	[0..1]	Text		688
	AdditionalData <AddtlData>	[0..*]			689
	Type <Tp>	[0..1]	Text		689
	Value <Val>	[0..1]	Text		689

34.4.2.3.1 AssociatedDataReference <AssocdtdDataRef>

Presence: [0..1]

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

Datatype: "Max70Text" on page 1541

34.4.2.3.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentification14"](#) on page 1296 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionReference <TxRef>	[0..1]	Text		1297
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1297
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1297
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1297
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1298
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1298
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1298
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1298
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1298

34.4.2.3.3 DataSource <DataSrc>

Presence: [0..1]

Definition: Indicates the source of enhanced data.

Datatype: ["Max70Text"](#) on page 1541

34.4.2.3.4 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Contains additional fees for the AddendumMessage.

AdditionalFees <AddtlFees> contains the following elements (see ["AdditionalFee1"](#) on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

34.4.2.3.5 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: ["Max1000Text"](#) on page 1534

34.4.2.3.6 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		689
	Value <Val>	[0..1]	Text		689

34.4.2.3.6.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

34.4.2.3.6.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

34.4.2.4 AddendumData <AdddmData>

Presence: [1..1]

Definition: Component contains data structures applicable to certain industries that require specific data within transaction messages.

AddendumData <AdddmData> contains the following elements (see "AddendumData1" on page 891 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		891
	OtherPurchaseIdentifierType <OthrPurchsldrTp>	[0..1]	Text		892
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		892
	AdditionalAcceptorData <AddtlAccptrData>	[0..1]	±		892
	Customer <Cstmr>	[0..1]	±		893
	Sale <Sale>	[0..1]	±		894
	Fleet <Fleet>	[0..1]	±		894
	Invoice <Invc>	[0..1]	±		894
	TravelAgency <TrvlAgcy>	[0..1]	±		895
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		895
	VehicleRental <VhclRntl>	[0..*]	±		895
	Lodging <Ldgg>	[0..*]	±		896
	ShippingData <ShppgData>	[0..1]	±		896
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		897
	TemporaryServices <TempSvcs>	[0..*]	±		897
	Instalment <Instlmt>	[0..1]	±		898
	AdditionalData <AddtlData>	[0..*]			898
	Type <Tp>	[0..1]	Text		899
	Value <Val>	[0..1]	Text		899

34.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

34.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

34.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtc>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

35 cain.026.001.01 AddendumResponseV01

35.1 MessageDefinition Functionality

The AddendumResponse message is sent by an issuer or an agent to an acquirer in response to an AddendumInitiation message.

Outline

The AddendumResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Information related to an addendum response.
- C. SecurityTrailer
 - Trailer of the message containing a MAC.

35.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <AdddmRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		697
	Body <Body>	[1..1]			697
	Environment <Envt>	[1..1]			698
	Acquirer <Acqrr>	[1..1]	±		699
	Sender <Sndr>	[0..1]	±		699
	Receiver <Rcvr>	[0..1]	±		700
	Destination <Dstn>	[0..1]	±		700
	Card <Card>	[0..1]	±		700
	Token <Tkn>	[0..1]	±		701
	Context <Cntxt>	[0..1]			701
	TransactionContext <TxCntxt>	[0..1]			701
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		701
	Transaction <Tx>	[1..1]			702
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		702
	TransactionIdentification <TxId>	[1..1]	±		702
	AdditionalFees <AddtlFees>	[0..*]	±		703
	TransactionDescription <TxDesc>	[0..1]	Text		703
	AdditionalData <AddtlData>	[0..*]			704
	Type <Tp>	[0..1]	Text		704
	Value <Val>	[0..1]	Text		704
	ProcessingResult <PrcgRslt>	[1..1]	±		704
	ProtectedData <PrctcdData>	[0..*]	±		704
	SupplementaryData <SplmtryData>	[0..*]	±	C1	707
	SecurityTrailer <SctyTrlr>	[0..1]	±		707

35.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "[Header48](#)" on [page 1156](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

35.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to an addendum response.

Body <Body> contains the following **AddendumResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			698
	Acquirer <Acqrr>	[1..1]	±		699
	Sender <Sndr>	[0..1]	±		699
	Receiver <Rcvr>	[0..1]	±		700
	Destination <Dstn>	[0..1]	±		700
	Card <Card>	[0..1]	±		700
	Token <Tkn>	[0..1]	±		701
	Context <Cntxt>	[0..1]			701
	TransactionContext <TxCntxt>	[0..1]			701
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		701
	Transaction <Tx>	[1..1]			702
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		702
	TransactionIdentification <TxId>	[1..1]	±		702
	AdditionalFees <AddtlFees>	[0..*]	±		703
	TransactionDescription <TxDesc>	[0..1]	Text		703
	AdditionalData <AddtlData>	[0..*]			704
	Type <Tp>	[0..1]	Text		704
	Value <Val>	[0..1]	Text		704
	ProcessingResult <PrcgRslt>	[1..1]	±		704
	ProtectedData <PrctcdData>	[0..*]	±		704
	SupplementaryData <SplmtryData>	[0..*]	±	C1	707

35.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Contains or describes the information pertaining to the actors interacting with the transaction.

Environment <Envt> contains the following **Environment16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		699
	Sender <Sndr>	[0..1]	±		699
	Receiver <Rcvr>	[0..1]	±		700
	Destination <Dstn>	[0..1]	±		700
	Card <Card>	[0..1]	±		700
	Token <Tkn>	[0..1]	±		701

35.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

35.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

35.4.2.1.3 Receiver <Rcvr>*Presence:* [0..1]*Definition:* Party receiving the message from the origin or from an intermediary agent.

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

35.4.2.1.4 Destination <Dstn>*Presence:* [0..1]*Definition:* Destination of the message.**Destination <Dstn>** contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

35.4.2.1.5 Card <Card>*Presence:* [0..1]*Definition:* Card or payment token performing the transaction.**Card <Card>** contains the following elements (see "[CardData2](#)" on page 889 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		890
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		890
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		890
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		890

35.4.2.1.6 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittndInd>	[0..1]	Indicator		1439

35.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			701
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		701

35.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		701

35.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

35.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction92** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssociatedDataReference <AssocdtdDataRef>	[0..1]	Text		702
	TransactionIdentification <TxId>	[1..1]	±		702
	AdditionalFees <AddtlFees>	[0..*]	±		703
	TransactionDescription <TxDesc>	[0..1]	Text		703
	AdditionalData <AddtlData>	[0..*]			704
	Type <Tp>	[0..1]	Text		704
	Value <Val>	[0..1]	Text		704

35.4.2.3.1 AssociatedDataReference <AssocdtdDataRef>

Presence: [0..1]

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

Datatype: "Max70Text" on page 1541

35.4.2.3.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification13" on page 1299 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1300
	TimeZone <TmZone>	[0..1]	Text		1300
	TransactionReference <TxRef>	[0..1]	Text		1300
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1300
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1301
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1301
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1301
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1301
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1302
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1302
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1302
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1302
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1302

35.4.2.3.3 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Contains additional fees for the addendum response message.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

35.4.2.3.4 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

35.4.2.3.5 AdditionalData <AddtlData>*Presence:* [0..*]*Definition:* Contains additional data.**AdditionalData <AddtlData>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		704
	Value <Val>	[0..1]	Text		704

35.4.2.3.5.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**35.4.2.3.5.2 Value <Val>***Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**35.4.2.4 ProcessingResult <PrcgRslt>***Presence:* [1..1]*Definition:* Outcome of the processing of the addendum initiation.**ProcessingResult <PrcgRslt>** contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

35.4.2.5 ProtectedData <PrctcdData>*Presence:* [0..*]*Definition:* Contains protected data and the attributes used to protect the data.

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

35.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

35.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

36 cain.027.001.01 ChargeBackInitiationV01

36.1 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 ChargeBackInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the initiation of a chargeback.

ISO 8583:93/2003 bit 25.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

36.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ChrgBcklnitn>	[1..1]			
	Header <Hdr>	[1..1]	±		711
	Body <Body>	[1..1]			712
	Environment <Envt>	[1..1]			714
	Acquirer <Acqrr>	[1..1]	±		714
	Sender <Sndr>	[0..1]	±		715
	Receiver <Rcvr>	[0..1]	±		715
	Acceptor <Accptr>	[0..1]	±		716
	Payer <Pyer>	[0..1]	±		716
	Payee <Pyee>	[0..1]	±		716
	Terminal <Termnl>	[0..1]	±		717
	Card <Card>	[1..1]	±		717
	Wallet <Wllt>	[0..1]	±		717
	Token <Tkn>	[0..1]	±		718
	Context <Cntxt>	[0..1]			718
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		718
	TransactionContext <TxCntxt>	[0..1]	±		719
	Transaction <Tx>	[1..1]			720
	MessageReason <MsgRsn>	[0..*]	Text		720
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		721
	TransactionIdentification <TxId>	[1..1]	±		721
	TransactionAmounts <TxAmts>	[1..1]	±		721
	DisputeData <DsptData>	[1..1]	±		722
	AdditionalFees <AddtlFees>	[0..*]	±		722
	AdditionalInformation <AddtlInf>	[0..1]	±		723
	AdditionalData <AddtlData>	[0..*]			723
	Type <Tp>	[0..1]	Text		723
	Value <Val>	[0..1]	Text		724
	OriginalTransaction <OrgnlTx>	[1..1]			724
	Environment <Envt>	[0..1]	±		724

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]	±		725
	Transaction <Tx>	[0..1]	±		726
	ProcessingResult <PrcgRslt>	[0..1]	±		726
	ProcessingResult <PrcgRslt>	[0..1]			727
	ResultData <RsltData>	[0..1]	±		727
	AdditionalInformation <AddtlInf>	[0..*]	±		728
	ProtectedData <PrtctdData>	[0..*]	±		728
	SupplementaryData <SplmtryData>	[0..*]	±	C1	731
	SecurityTrailer <SctyTrlr>	[0..1]	±		731

36.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

C3 ValidationByTable

Must be a valid terrestrial language.

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 protocol management.

Header <Hdr> contains the following elements (see "Header40" on page 1176 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1176
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1177
	ExchangeIdentification <XchgId>	[0..1]	Text		1177
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1177
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1177
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1177
	InitiatingParty <InitgPty>	[1..1]	±		1178
	RecipientParty <RcptPty>	[0..1]	±		1178
	TraceData <TracData>	[0..*]			1178
	Type <Tp>	[0..1]	Text		1179
	Value <Val>	[0..1]	Text		1179
	Traceability <Tracblt>	[0..*]	±		1179

36.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a chargeback.

ISO 8583:93/2003 bit 25.

Body <Body> contains the following **ChargeBackInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			714
	Acquirer <Acqrr>	[1..1]	±		714
	Sender <Sndr>	[0..1]	±		715
	Receiver <Rcvr>	[0..1]	±		715
	Acceptor <Accptr>	[0..1]	±		716
	Payer <Pyer>	[0..1]	±		716
	Payee <Pyee>	[0..1]	±		716
	Terminal <Termnl>	[0..1]	±		717
	Card <Card>	[1..1]	±		717
	Wallet <Wlft>	[0..1]	±		717
	Token <Tkn>	[0..1]	±		718
	Context <Cntxt>	[0..1]			718
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		718
	TransactionContext <TxCntxt>	[0..1]	±		719
	Transaction <Tx>	[1..1]			720
	MessageReason <MsgRsn>	[0..*]	Text		720
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		721
	TransactionIdentification <TxId>	[1..1]	±		721
	TransactionAmounts <TxAmts>	[1..1]	±		721
	DisputeData <DsptData>	[1..1]	±		722
	AdditionalFees <AddtlFees>	[0..*]	±		722
	AdditionalInformation <AddtlInf>	[0..1]	±		723
	AdditionalData <AddtlData>	[0..*]			723
	Type <Tp>	[0..1]	Text		723
	Value <Val>	[0..1]	Text		724
	OriginalTransaction <OrgnlTx>	[1..1]			724
	Environment <Envt>	[0..1]	±		724
	Context <Cntxt>	[0..1]	±		725
	Transaction <Tx>	[0..1]	±		726
	ProcessingResult <PrcgRslt>	[0..1]	±		726
	ProcessingResult <PrcgRslt>	[0..1]			727

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		727
	AdditionalInformation <AddtlInf>	[0..*]	±		728
	ProtectedData <PrctcdData>	[0..*]	±		728
	SupplementaryData <SplmtryData>	[0..*]	±	C1	731

36.4.2.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the chargeback.

Environment <Env> contains the following **Environment13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		714
	Sender <Sndr>	[0..1]	±		715
	Receiver <Rcvr>	[0..1]	±		715
	Acceptor <Accptr>	[0..1]	±		716
	Payer <Pyer>	[0..1]	±		716
	Payee <Pyee>	[0..1]	±		716
	Terminal <Termnl>	[0..1]	±		717
	Card <Card>	[1..1]	±		717
	Wallet <Wlt>	[0..1]	±		717
	Token <Tkn>	[0..1]	±		718

36.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

36.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

36.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

36.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification203" on page 1219 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

36.4.2.1.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

36.4.2.1.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

36.4.2.1.7 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

36.4.2.1.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData5" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrtlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

36.4.2.1.9 Wallet <WlIt>

Presence: [0..1]

Definition: Container for tenders used by the customer to perform the payment transaction.

Wallet <WlIt> contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWlItData>	[0..1]	Text		839

36.4.2.1.10 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

36.4.2.2 Context <Cntxt>*Presence:* [0..1]*Definition:* Context of the chargeback transaction.**Context <Cntxt>** contains the following **Context7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		718
	TransactionContext <TxCntxt>	[0..1]	±		719

36.4.2.2.1 PointOfServiceContext <PtOfSvcCntxt>*Presence:* [0..1]*Definition:* Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext2" on page 1259 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

36.4.2.2.2 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext4" on page 936 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		936
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		936
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		936
	CardProgramme <CardPrgrmm>	[0..1]	±		937
	SettlementService <SttlmSvc>	[0..1]	±		937
	Reconciliation <Rcncltn>	[0..1]	±		938
	CaptureDate <CaptrDt>	[0..1]	Date		939

36.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Chargeback transaction details.

Transaction <Tx> contains the following **Transaction97** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		720
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		721
	TransactionIdentification <TxId>	[1..1]	±		721
	TransactionAmounts <TxAmts>	[1..1]	±		721
	DisputeData <DsptData>	[1..1]	±		722
	AdditionalFees <AddtlFees>	[0..*]	±		722
	AdditionalInformation <AddtlInf>	[0..1]	±		723
	AdditionalData <AddtlData>	[0..*]			723
	Type <Tp>	[0..1]	Text		723
	Value <Val>	[0..1]	Text		724

36.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason for sending the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

36.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

36.4.2.3.3 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification10" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

36.4.2.3.4 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Transaction amounts.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

36.4.2.3.5 DisputeData <DsptData>

Presence: [1..1]

Definition: Data related to the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData1](#)" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

36.4.2.3.6 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

36.4.2.3.7 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the chargeback.

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

36.4.2.3.8 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		723
	Value <Val>	[0..1]	Text		724

36.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

36.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

36.4.2.4 OriginalTransaction <OrgnlTx>

Presence: [1..1]

Definition: Contains details of the transaction to be retrieved.

OriginalTransaction <OrgnlTx> contains the following **OriginalTransaction1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]	±		724
	Context <Cntxt>	[0..1]	±		725
	Transaction <Tx>	[0..1]	±		726
	ProcessingResult <PrcgRslt>	[0..1]	±		726

36.4.2.4.1 Environment <Envt>

Presence: [0..1]

Definition: Details of the original message for which a retrieval is being requested.

Environment <Envt> contains the following elements (see "Environment6" on page 1103 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1104
	Sender <Sndr>	[0..1]	±		1105
	Receiver <Rcvr>	[0..1]	±		1105
	Acceptor <Accptr>	[0..1]	±		1105
	Payer <Pyer>	[0..1]	±		1106
	Payee <Pyee>	[0..1]	±		1106
	Terminal <Termnl>	[0..1]			1107
	TerminalIdentification <TermnllId>	[0..1]	±		1107
	Capabilities <Cpblties>	[0..1]	±		1107
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	±		1108
	TerminalIntegration <TermnllIntgtn>	[0..1]	CodeSet		1108
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1109
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1109
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1109
	POIComponent <POICmpnt>	[0..*]	±		1110
	Card <Card>	[1..1]	±		1112
	CustomerDevice <CstmrDvc>	[0..1]	±		1112
	Wallet <Wlt>	[0..1]	±		1113
	Token <Tkn>	[0..1]	±		1113
	Cardholder <Crhdldr>	[0..1]	±		1113

36.4.2.4.2 Context <Cntxt>

Presence: [0..1]

Definition: Details of the original message for which a retrieval is being requested.

Context <Cntxt> contains the following elements (see "Context3" on page 1124 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		1125
	TransactionContext <TxCntxt>	[1..1]	±		1126
	Verification <Vrfctn>	[0..*]	±		1127
	RiskContext <RskCntxt>	[0..1]	±		1127
	SaleContext <SaleCntxt>	[0..1]	±		1128

36.4.2.4.3 Transaction <Tx>*Presence:* [0..1]*Definition:* Contains the original transaction details.**Transaction <Tx>** contains the following elements (see "Transaction85" on page 945 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	Text		946
	TransactionSubType <TxSubTp>	[0..1]	Text		946
	AdditionalService <AddtlSvc>	[0..*]	±		947
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		947
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		948
	MessageReason <MsgRsn>	[0..*]	Text		948
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		948
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		948
	AssociatedDataReference <AssocdDataRef>	[0..1]	Text		948
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		948
	TransactionIdentification <TxId>	[0..1]	±		949
	DisputeData <DsptData>	[0..*]	±		949
	TransactionAmounts <TxAmts>	[0..1]	±		950
	AdditionalAmounts <AddtlAmts>	[0..*]	±		950
	AdditionalFees <AddtlFees>	[0..*]	±		951
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		951
	DepositDetails <DpstDtls>	[0..*]	±		952
	FundsServices <FndsSvcs>	[0..1]	±		952
	AccountFrom <AcctFr>	[0..1]	±		952
	AccountTo <AcctTo>	[0..1]	±		952
	TransactionDescription <TxDesc>	[0..1]	Text		953
	AdditionalData <AddtlData>	[0..*]			953
	Type <Tp>	[0..1]	Text		953
	Value <Val>	[0..1]	Text		953

36.4.2.4.4 ProcessingResult <PrcgRslt>*Presence:* [0..1]*Definition:* Contains the processing results of the transaction to be retrieved.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult2" on page 1418 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

36.4.2.5 ProcessingResult <PrcgRsIt>

Presence: [0..1]

Definition: Result of the chargeback verification provided in the chargeback status.

ProcessingResult <PrcgRsIt> contains the following **ProcessingResult8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		727
	AdditionalInformation <AddtlInf>	[0..*]	±		728

36.4.2.5.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

36.4.2.5.2 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "[AdditionalInformation20](#)" on [page 1195](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

36.4.2.6 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

36.4.2.7 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

36.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

37 cain.028.001.01 ChargeBackResponseV01

37.1 MessageDefinition Functionality

The ChargeBackResponse message is sent by an acquirer or an agent to an issuer in response to an ChargeBackInitiation message.

Outline

The ChargeBackResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the protocol management.

B. Body

Information related to the initiation of a chargeback.

ISO 8583:93/2003 bit 25.

C. SecurityTrailer

Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

37.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ChrgBckRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		735
	Body <Body>	[1..1]			735
	Environment <Envt>	[1..1]			736
	Acquirer <Acqrr>	[1..1]	±		737
	Sender <Sndr>	[0..1]	±		737
	Receiver <Rcvr>	[0..1]	±		738
	Acceptor <Accptr>	[0..1]	±		738
	Terminal <Termnl>	[0..1]	±		738
	Card <Card>	[1..1]	±		739
	Token <Tkn>	[0..1]	±		739
	Context <Cntxt>	[1..1]			739
	TransactionContext <TxCntxt>	[0..1]	±		740
	Transaction <Tx>	[1..1]			740
	MessageReason <MsgRsn>	[0..*]	Text		740
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		741
	TransactionIdentification <TxId>	[1..1]	±		741
	TransactionAmounts <TxAmts>	[1..1]	±		741
	DisputeData <DsptData>	[1..1]	±		742
	AdditionalFees <AddtlFees>	[0..*]	±		742
	AdditionalInformation <AddtlInf>	[0..1]	±		743
	AdditionalData <AddtlData>	[0..*]			743
	Type <Tp>	[0..1]	Text		743
	Value <Val>	[0..1]	Text		744
	ProcessingResult <PrcgRslt>	[1..1]	±		744
	ProtectedData <PrtctdData>	[0..*]	±		744
	SupplementaryData <SplmtryData>	[0..*]	±	C1	747
	SecurityTrailer <SctyTrlr>	[0..1]	±		747

37.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 ValidationByTable

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

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 "[Header40](#)" on page 1176 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1176
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1177
	ExchangeIdentification <XchgId>	[0..1]	Text		1177
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1177
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1177
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1177
	InitiatingParty <InitgPty>	[1..1]	±		1178
	RecipientParty <RcptPty>	[0..1]	±		1178
	TraceData <TracData>	[0..*]			1178
	Type <Tp>	[0..1]	Text		1179
	Value <Val>	[0..1]	Text		1179
	Traceability <Tracblt>	[0..*]	±		1179

37.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of a chargeback.

ISO 8583:93/2003 bit 25.

Body <Body> contains the following **ChargeBackResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			736
	Acquirer <Acqrr>	[1..1]	±		737
	Sender <Sndr>	[0..1]	±		737
	Receiver <Rcvr>	[0..1]	±		738
	Acceptor <Accptr>	[0..1]	±		738
	Terminal <Termnl>	[0..1]	±		738
	Card <Card>	[1..1]	±		739
	Token <Tkn>	[0..1]	±		739
	Context <Cntxt>	[1..1]			739
	TransactionContext <TxCntxt>	[0..1]	±		740
	Transaction <Tx>	[1..1]			740
	MessageReason <MsgRsn>	[0..*]	Text		740
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		741
	TransactionIdentification <TxId>	[1..1]	±		741
	TransactionAmounts <TxAmts>	[1..1]	±		741
	DisputeData <DsptData>	[1..1]	±		742
	AdditionalFees <AddtlFees>	[0..*]	±		742
	AdditionalInformation <AddtlInf>	[0..1]	±		743
	AdditionalData <AddtlData>	[0..*]			743
	Type <Tp>	[0..1]	Text		743
	Value <Val>	[0..1]	Text		744
	ProcessingResult <PrpgRslt>	[1..1]	±		744
	ProtectedData <PrtctdData>	[0..*]	±		744
	SupplementaryData <SplmtryData>	[0..*]	±	C1	747

37.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the chargeback.

Environment <Envt> contains the following **Environment14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[1..1]	±		737
	Sender <Sndr>	[0..1]	±		737
	Receiver <Rcvr>	[0..1]	±		738
	Acceptor <Accptr>	[0..1]	±		738
	Terminal <Termnl>	[0..1]	±		738
	Card <Card>	[1..1]	±		739
	Token <Tkn>	[0..1]	±		739

37.4.2.1.1 Acquirer <Acqrr>

Presence: [1..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

37.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

37.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

37.4.2.1.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see ["PartyIdentification197"](#) on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

37.4.2.1.5 Terminal <Termnl>

Presence: [0..1]

Definition: Payment terminal or ATM performing the transaction.

Terminal <Termnl> contains the following elements (see "Terminal2" on page 1275 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[1..1]	±		1275

37.4.2.1.6 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "CardData5" on page 881 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		882
	ProtectedPANIndicator <PrctcdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

37.4.2.1.7 Token <Tkn>

Presence: [0..1]

Definition: Details of payment token.

Token <Tkn> contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

37.4.2.2 Context <Cntxt>

Presence: [1..1]

Definition: Context of the chargeback transaction.

Context <Cntxt> contains the following **Context9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]	±		740

37.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "TransactionContext3" on page 939 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

37.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Chargeback transaction details.

Transaction <Tx> contains the following **Transaction97** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageReason <MsgRsn>	[0..*]	Text		740
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		741
	TransactionIdentification <TxId>	[1..1]	±		741
	TransactionAmounts <TxAmts>	[1..1]	±		741
	DisputeData <DsptData>	[1..1]	±		742
	AdditionalFees <AddtlFees>	[0..*]	±		742
	AdditionalInformation <AddtlInf>	[0..1]	±		743
	AdditionalData <AddtlData>	[0..*]			743
	Type <Tp>	[0..1]	Text		743
	Value <Val>	[0..1]	Text		744

37.4.2.3.1 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason for sending the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

37.4.2.3.2 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

37.4.2.3.3 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification10" on page 1307 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

37.4.2.3.4 TransactionAmounts <TxAmts>

Presence: [1..1]

Definition: Transaction amounts.

TransactionAmounts <TxAmts> contains the following elements (see "[TransactionAmounts1](#)" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

37.4.2.3.5 DisputeData <DsptData>

Presence: [1..1]

Definition: Data related to the dispute.

DisputeData <DsptData> contains the following elements (see "[DisputeData1](#)" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

37.4.2.3.6 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

37.4.2.3.7 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the chargeback.

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

37.4.2.3.8 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		743
	Value <Val>	[0..1]	Text		744

37.4.2.3.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

37.4.2.3.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

37.4.2.4 ProcessingResult <PrcgRsIt>

Presence: [1..1]

Definition: Result of the chargeback verification provided in the chargeback status.

ProcessingResult <PrcgRsIt> contains the following elements (see "ProcessingResult7" on page 1405 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsItData>	[0..1]	±		1406
	OriginalResultData <OrgnlRsItData>	[0..1]	±		1406
	AdditionalInformation <AddtlInf>	[0..*]	±		1406

37.4.2.5 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

37.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

37.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

It corresponds partially to ISO 8583 field number 53, completed by the field number 64 or 128.

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

38 canm.001.001.02 NetworkManagementInitiationV02

38.1 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 NetworkManagementInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the reversal of an authorisation or financial transaction.

C. SecurityTrailer

Trailer of the message containing a MAC

38.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NtwkMgmtIntr>	[1..1]			
	Header <Hdr>	[1..1]	±		751
	Body <Body>	[1..1]			751
	Context <Cntxt>	[0..1]			752
	TransactionContext <TxCntxt>	[0..1]			752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		753
	Transaction <Tx>	[1..1]			753
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		753
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		754
	MessageReason <MsgRsn>	[0..*]	Text		754
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		755
	TransactionIdentification <TxId>	[1..1]	±		755
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		755
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		755
	AdditionalFees <AddtlFees>	[0..*]	±		755
	TransactionDescription <TxDesc>	[0..1]	Text		756
	AdditionalData <AddtlData>	[0..*]			756
	Type <Tp>	[0..1]	Text		756
	Value <Val>	[0..1]	Text		756
	ProcessingResult <PrcgRslt>	[0..1]	±		756
	SupplementaryData <SplmtryData>	[0..*]	±	C1	757
	SecurityTrailer <SctyTrlr>	[0..1]	±		757

38.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 management of the protocol.

Header <Hdr> contains the following elements (see "Header43" on page 1169 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1169
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1170
	ExchangeIdentification <Xchgld>	[0..1]	Text		1170
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1170
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1170
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1170
	InitiatingParty <InitgPty>	[1..1]	±		1171
	RecipientParty <RcptPty>	[0..1]	±		1171
	TraceData <TracData>	[0..*]			1171
	Type <Tp>	[0..1]	Text		1172
	Value <Val>	[0..1]	Text		1172
	Traceability <Tracblt>	[0..*]	±		1172

38.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the reversal of an authorisation or financial transaction.

Body <Body> contains the following **NetworkManagementInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			752
	TransactionContext <TxCntxt>	[0..1]			752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		753
	Transaction <Tx>	[1..1]			753
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		753
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		754
	MessageReason <MsgRsn>	[0..*]	Text		754
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		755
	TransactionIdentification <TxId>	[1..1]	±		755
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		755
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		755
	AdditionalFees <AddtlFees>	[0..*]	±		755
	TransactionDescription <TxDesc>	[0..1]	Text		756
	AdditionalData <AddtlData>	[0..*]			756
	Type <Tp>	[0..1]	Text		756
	Value <Val>	[0..1]	Text		756
	ProcessingResult <PrcgRslt>	[0..1]	±		756
	SupplementaryData <SplmtryData>	[0..*]	±	C1	757

38.4.2.1 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			752
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		753

38.4.2.1.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		753

38.4.2.1.1.1 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

38.4.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Details of an exchange or interaction between parties to perform a specific function.

Transaction <Tx> contains the following **Transaction99** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		753
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		754
	MessageReason <MsgRsn>	[0..*]	Text		754
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		755
	TransactionIdentification <TxId>	[1..1]	±		755
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		755
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		755
	AdditionalFees <AddtlFees>	[0..*]	±		755
	TransactionDescription <TxDesc>	[0..1]	Text		756
	AdditionalData <AddtlData>	[0..*]			756
	Type <Tp>	[0..1]	Text		756
	Value <Val>	[0..1]	Text		756

38.4.2.2.1 NetworkManagementType <NtwkMgmtTp>

Presence: [0..1]

Definition: Type of network management service.

ISO 8583:87/93 bit 24

ISO 8583:2003 bit 70

Datatype: "NetworkManagementType1Code" on page 1502

CodeName	Name	Definition
ECTS	EchoTest	Detects whether communication at application level is still active.
ESFW	EnableStoreAndForward	Enable receipt of store and forward advice and notification messages.
OTHN	OtherNational	Other type of communication management service defined at national level.
OTHP	OtherPrivate	Other type of network management service defined at private level.
SGNF	SignOff	Terminate communication at application level.
SGNN	SignOn	Establish communication at application level.
DSFW	DisableStoreAndForward	Disable receipt of store and forward advice and notification messages.
TSUN	TargetSystemUnavailable	System condition/target system unavailable
MOSB	MessageOriginatorSystemInBackup	System condition/message originator's system in backup.
SPIN	SpecialInstruction	System condition/special instruction
IART	InitiateAlternateRouting	System condition/initiate alternate routing
SYCL	SynchronizeClock	Clock synchronization
DRBI	DisableRecurringBilling	Disable the receipt of recurring billing.
ERBI	EnableRecurringBilling	Enable the receipt of recurring billing.

38.4.2.2.2 OtherNetworkManagementType <OthrNtwkMgmtTp>

Presence: [0..1]

Definition: Other type of network management in free text.

Datatype: "Max35Text" on page 1539

38.4.2.2.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

38.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

38.4.2.2.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

38.4.2.2.6 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 1532

38.4.2.2.7 MaximumNumberOfMessages <MaxNbOfMsgs>

Presence: [0..1]

Definition: Maximum number of messages in the store and forward queue.

Datatype: "Number" on page 1532

38.4.2.2.8 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

38.4.2.2.9 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Additional information pertaining to the network management type or function being performed.

Datatype: "Max1000Text" on page 1534

38.4.2.2.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		756
	Value <Val>	[0..1]	Text		756

38.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

38.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

38.4.2.3 ProcessingResult <PrcgRslt>

Presence: [0..1]

Definition: Outcome of the processing of the authorisation

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

38.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

38.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

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NetworkManagementResponseV02

39.1 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 NetworkManagementResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the response to a network management initiation message.

C. SecurityTrailer

Trailer of the message containing a MAC

39.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <NtwkMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		761
	Body <Body>	[1..1]			761
	Context <Cntxt>	[0..1]			762
	TransactionContext <TxCntxt>	[0..1]			762
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		763
	Transaction <Tx>	[1..1]			763
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		763
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		764
	MessageReason <MsgRsn>	[0..*]	Text		764
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		765
	TransactionIdentification <TxId>	[1..1]	±		765
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		765
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		765
	AdditionalFees <AddtlFees>	[0..*]	±		765
	TransactionDescription <TxDesc>	[0..1]	Text		766
	AdditionalData <AddtlData>	[0..*]			766
	Type <Tp>	[0..1]	Text		766
	Value <Val>	[0..1]	Text		766
	ProcessingResult <PrpgRslt>	[1..1]	±		766
	SupplementaryData <SplmtryData>	[0..*]	±	C1	767
	SecurityTrailer <SctyTrlr>	[0..1]	±		767

39.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header43" on page 1169 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1169
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1170
	ExchangeIdentification <Xchgld>	[0..1]	Text		1170
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1170
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1170
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1170
	InitiatingParty <InitgPty>	[1..1]	±		1171
	RecipientParty <RcptPty>	[0..1]	±		1171
	TraceData <TracData>	[0..*]			1171
	Type <Tp>	[0..1]	Text		1172
	Value <Val>	[0..1]	Text		1172
	Traceability <Tracblt>	[0..*]	±		1172

39.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the response to a network management initiation message.

Body <Body> contains the following **NetworkManagementResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			762
	TransactionContext <TxCntxt>	[0..1]			762
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		763
	Transaction <Tx>	[1..1]			763
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		763
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		764
	MessageReason <MsgRsn>	[0..*]	Text		764
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		765
	TransactionIdentification <TxId>	[1..1]	±		765
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		765
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		765
	AdditionalFees <AddtlFees>	[0..*]	±		765
	TransactionDescription <TxDesc>	[0..1]	Text		766
	AdditionalData <AddtlData>	[0..*]			766
	Type <Tp>	[0..1]	Text		766
	Value <Val>	[0..1]	Text		766
	ProcessingResult <PrcgRslt>	[1..1]	±		766
	SupplementaryData <SplmtryData>	[0..*]	±	C1	767

39.4.2.1 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			762
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		763

39.4.2.1.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		763

39.4.2.1.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

39.4.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Details of an exchange or interaction between parties to perform a specific function.

Transaction <Tx> contains the following **Transaction99** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NetworkManagementType <NtwkMgmtTp>	[0..1]	CodeSet		763
	OtherNetworkManagementType <OthrNtwkMgmtTp>	[0..1]	Text		764
	MessageReason <MsgRsn>	[0..*]	Text		764
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		765
	TransactionIdentification <TxId>	[1..1]	±		765
	NumberOfMessages <NbOfMsgs>	[0..1]	Quantity		765
	MaximumNumberOfMessages <MaxNbOfMsgs>	[0..1]	Quantity		765
	AdditionalFees <AddtlFees>	[0..*]	±		765
	TransactionDescription <TxDesc>	[0..1]	Text		766
	AdditionalData <AddtlData>	[0..*]			766
	Type <Tp>	[0..1]	Text		766
	Value <Val>	[0..1]	Text		766

39.4.2.2.1 NetworkManagementType <NtwkMgmtTp>

Presence: [0..1]

Definition: Type of network management service.

ISO 8583:87/93 bit 24

ISO 8583:2003 bit 70

Datatype: "NetworkManagementType1Code" on page 1502

CodeName	Name	Definition
ECTS	EchoTest	Detects whether communication at application level is still active.
ESFW	EnableStoreAndForward	Enable receipt of store and forward advice and notification messages.
OTHN	OtherNational	Other type of communication management service defined at national level.
OTHP	OtherPrivate	Other type of network management service defined at private level.
SGNF	SignOff	Terminate communication at application level.
SGNN	SignOn	Establish communication at application level.
DSFW	DisableStoreAndForward	Disable receipt of store and forward advice and notification messages.
TSUN	TargetSystemUnavailable	System condition/target system unavailable
MOSB	MessageOriginatorSystemInBackup	System condition/message originator's system in backup.
SPIN	SpecialInstruction	System condition/special instruction
IART	InitiateAlternateRouting	System condition/initiate alternate routing
SYCL	SynchronizeClock	Clock synchronization
DRBI	DisableRecurringBilling	Disable the receipt of recurring billing.
ERBI	EnableRecurringBilling	Enable the receipt of recurring billing.

39.4.2.2.2 OtherNetworkManagementType <OthrNtwkMgmtTp>

Presence: [0..1]

Definition: Other type of network management in free text.

Datatype: "Max35Text" on page 1539

39.4.2.2.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

39.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

39.4.2.2.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

39.4.2.2.6 NumberOfMessages <NbOfMsgs>

Presence: [0..1]

Definition: Number of messages in the store and forward queue.

Datatype: "Number" on page 1532

39.4.2.2.7 MaximumNumberOfMessages <MaxNbOfMsgs>

Presence: [0..1]

Definition: Maximum number of messages in the store and forward queue.

Datatype: "Number" on page 1532

39.4.2.2.8 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

39.4.2.2.9 TransactionDescription <TxDesc>

Presence: [0..1]

Definition: Additional information pertaining to the network management type or function being performed.

Datatype: "Max1000Text" on page 1534

39.4.2.2.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		766
	Value <Val>	[0..1]	Text		766

39.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

39.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

39.4.2.3 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult1" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

39.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

39.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

40 canm.003.001.02

KeyExchangeInitiationV02

40.1 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 KeyExchangeInitiationV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to a key exchange activity.

C. SecurityTrailer

Trailer of the message containing a MAC

40.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <KeyXchgIntrn>	[1..1]			
	Header <Hdr>	[1..1]	±		771
	Body <Body>	[1..1]			771
	Context <Cntxt>	[0..1]			772
	TransactionContext <TxCntxt>	[0..1]			773
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		773
	Transaction <Tx>	[1..1]			773
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		774
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		775
	MessageReason <MsgRsn>	[0..*]	Text		775
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		775
	TransactionIdentification <TxId>	[1..1]	±		775
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		775
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		776
	KeyExchangeData <KeyXchgData>	[0..1]			776
	Control <Ctrl>	[0..1]	Text		776
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		777
	DerivedInformation <DrvdInf>	[0..1]	Text		777
	Algorithm <Algo>	[0..1]	Text		777
	KeyLength <KeyLngth>	[0..1]	Text		777
	KeyProtection <KeyPrtcn>	[0..1]	Text		777
	KeyIndex <KeyIndx>	[0..1]	Text		778
	EncryptedData <NcrptdData>	[0..1]	Text		778
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		778
	AdditionalFees <AddtlFees>	[0..*]	±		778
	AdditionalData <AddtlData>	[0..*]			778
	Type <Tp>	[0..1]	Text		779
	Value <Val>	[0..1]	Text		779
	ProtectedData <PrtctdData>	[0..*]	±		779
	SupplementaryData <SplmtryData>	[0..*]	±	C1	782

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityTrailer <SctyTrlr>	[0..1]	±		782

40.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "[Header44](#)" on page 1166 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1166
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1167
	ExchangeIdentification <Xchgld>	[0..1]	Text		1167
	RetransmissionCounter <RtrnsmssnCntr>	[0..1]	Text		1167
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1167
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1167
	InitiatingParty <InitgPty>	[1..1]	±		1167
	RecipientParty <RcptPty>	[0..1]	±		1168
	TraceData <TracData>	[0..*]			1168
	Type <Tp>	[0..1]	Text		1168
	Value <Val>	[0..1]	Text		1169
	Traceability <Tracblt>	[0..*]	±		1169

40.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to a key exchange activity.

Body <Body> contains the following **KeyExchangeInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			772
	TransactionContext <TxCntxt>	[0..1]			773
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		773
	Transaction <Tx>	[1..1]			773
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		774
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		775
	MessageReason <MsgRsn>	[0..*]	Text		775
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		775
	TransactionIdentification <TxId>	[1..1]	±		775
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		775
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		776
	KeyExchangeData <KeyXchgData>	[0..1]			776
	Control <Ctrl>	[0..1]	Text		776
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		777
	DerivedInformation <DrvdInf>	[0..1]	Text		777
	Algorithm <Algo>	[0..1]	Text		777
	KeyLength <KeyLngth>	[0..1]	Text		777
	KeyProtection <KeyPrctn>	[0..1]	Text		777
	KeyIndex <KeyIndx>	[0..1]	Text		778
	EncryptedData <NcrptdData>	[0..1]	Text		778
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		778
	AdditionalFees <AddtlFees>	[0..*]	±		778
	AdditionalData <AddtlData>	[0..*]			778
	Type <Tp>	[0..1]	Text		779
	Value <Val>	[0..1]	Text		779
	ProtectedData <PrctcdData>	[0..*]	±		779
	SupplementaryData <SplmtryData>	[0..*]	±	C1	782

40.4.2.1 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			773
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		773

40.4.2.1.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		773

40.4.2.1.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "[CardProgrammeMode1](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

40.4.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Details of an exchange or interaction between parties to perform a specific function.

Transaction <Tx> contains the following **Transaction100** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		774
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		775
	MessageReason <MsgRsn>	[0..*]	Text		775
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		775
	TransactionIdentification <TxId>	[1..1]	±		775
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		775
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		776
	KeyExchangeData <KeyXchgData>	[0..1]			776
	Control <Ctrl>	[0..1]	Text		776
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		777
	DerivedInformation <DrvdInf>	[0..1]	Text		777
	Algorithm <Algo>	[0..1]	Text		777
	KeyLength <KeyLngth>	[0..1]	Text		777
	KeyProtection <KeyPrtcn>	[0..1]	Text		777
	KeyIndex <KeyIndx>	[0..1]	Text		778
	EncryptedData <NcrptdData>	[0..1]	Text		778
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		778
	AdditionalFees <AddtlFees>	[0..*]	±		778
	AdditionalData <AddtlData>	[0..*]			778
	Type <Tp>	[0..1]	Text		779
	Value <Val>	[0..1]	Text		779

40.4.2.2.1 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed.

Datatype: "CardServiceType5Code" on page 1478

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.
DEKY	DeactivateKey	Deactivate the specified key.

CodeName	Name	Definition
RQKY	RequestKey	Request new key to be generated and conveyed.

40.4.2.2.2 OtherKeyExchangeFunction <OthrKeyXchgFctn>

Presence: [0..1]

Definition: Other key exchange function being performed.

Datatype: "Max35Text" on page 1539

40.4.2.2.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send a key exchange message.

ISO 8583:1993/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

40.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate reason to send a message.

Datatype: "Max35Text" on page 1539

40.4.2.2.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

40.4.2.2.6 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged.

Datatype: "KeyType1Code" on page 1493

CodeName	Name	Definition
OTHN	OtherNational	Other national
OTHP	OtherPrivate	Other private
PTKA	PINTranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINTranslationKeyIssuer	PIN translation key applicable to the issuer

40.4.2.2.7 OtherKeyExchangeType <OthrKeyXchgTp>

Presence: [0..1]

Definition: Other type of key being exchanged.

Datatype: "Max35Text" on page 1539

40.4.2.2.8 KeyExchangeData <KeyXchgData>

Presence: [0..1]

Definition: Contains information pertaining to a key exchange.

ISO 8583 bit 96

KeyExchangeData <KeyXchgData> contains the following **KeyExchangeData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		776
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		777
	DerivedInformation <DrvdInf>	[0..1]	Text		777
	Algorithm <Algo>	[0..1]	Text		777
	KeyLength <KeyLngth>	[0..1]	Text		777
	KeyProtection <KeyPrtc>	[0..1]	Text		777
	KeyIndex <KeyIndx>	[0..1]	Text		778
	EncryptedData <NcrptdData>	[0..1]	Text		778
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		778

40.4.2.2.8.1 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 1533

40.4.2.2.8.2 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 1542

40.4.2.2.8.3 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 1538

40.4.2.2.8.4 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 1538

40.4.2.2.8.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1540

40.4.2.2.8.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1538

40.4.2.2.8.7 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 1540

40.4.2.2.8.8 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 1542

40.4.2.2.8.9 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 1542

40.4.2.2.9 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

40.4.2.2.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		779
	Value <Val>	[0..1]	Text		779

40.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

40.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

40.4.2.3 ProtectedData <PrtctdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

40.4.2.4 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

40.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

41 canm.004.001.02 KeyExchangeResponseV02

41.1 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 KeyExchangeResponseV02 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
 - Information related to the management of the protocol.
- B. Body
 - Contains information pertaining to a key exchange.
- C. SecurityTrailer
 - Trailer of the message containing a MAC

41.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <KeyXchgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		786
	Body <Body>	[1..1]			787
	Context <Cntxt>	[0..1]			788
	TransactionContext <TxCntxt>	[0..1]			789
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		789
	Transaction <Tx>	[1..1]			789
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		790
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		791
	MessageReason <MsgRsn>	[0..*]	Text		791
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		791
	TransactionIdentification <TxId>	[1..1]	±		791
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		791
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		792
	KeyExchangeData <KeyXchgData>	[0..1]			792
	Control <Ctrl>	[0..1]	Text		792
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		793
	DerivedInformation <DrvdInf>	[0..1]	Text		793
	Algorithm <Algo>	[0..1]	Text		793
	KeyLength <KeyLngth>	[0..1]	Text		793
	KeyProtection <KeyPrtcn>	[0..1]	Text		793
	KeyIndex <KeyIndx>	[0..1]	Text		794
	EncryptedData <NcrptdData>	[0..1]	Text		794
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		794
	AdditionalFees <AddtlFees>	[0..*]	±		794
	AdditionalData <AddtlData>	[0..*]			794
	Type <Tp>	[0..1]	Text		795
	Value <Val>	[0..1]	Text		795
	ProcessingResult <PrcgRslt>	[1..1]	±		795
	ProtectedData <PrtctdData>	[0..*]	±		795

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SupplementaryData <SplmtryData>	[0..*]	±	C1	798
	SecurityTrailer <SctyTrlr>	[0..1]	±		798

41.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header44" on page 1166 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1166
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1167
	ExchangeIdentification <Xchgld>	[0..1]	Text		1167
	RetransmissionCounter <RtrnsmsnCnt>	[0..1]	Text		1167
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1167
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1167
	InitiatingParty <InitgPty>	[1..1]	±		1167
	RecipientParty <RcptPty>	[0..1]	±		1168
	TraceData <TracData>	[0..*]			1168
	Type <Tp>	[0..1]	Text		1168
	Value <Val>	[0..1]	Text		1169
	Traceability <Tracblt>	[0..*]	±		1169

41.4.2 **Body <Body>**

Presence: [1..1]

Definition: Contains information pertaining to a key exchange.

Body <Body> contains the following KeyExchangeResponse1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			788
	TransactionContext <TxCntxt>	[0..1]			789
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		789
	Transaction <Tx>	[1..1]			789
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		790
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		791
	MessageReason <MsgRsn>	[0..*]	Text		791
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		791
	TransactionIdentification <TxId>	[1..1]	±		791
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		791
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		792
	KeyExchangeData <KeyXchgData>	[0..1]			792
	Control <Ctrl>	[0..1]	Text		792
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		793
	DerivedInformation <DrvdInf>	[0..1]	Text		793
	Algorithm <Algo>	[0..1]	Text		793
	KeyLength <KeyLngth>	[0..1]	Text		793
	KeyProtection <KeyPrtcn>	[0..1]	Text		793
	KeyIndex <KeyIndx>	[0..1]	Text		794
	EncryptedData <NcrptdData>	[0..1]	Text		794
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		794
	AdditionalFees <AddtlFees>	[0..*]	±		794
	AdditionalData <AddtlData>	[0..*]			794
	Type <Tp>	[0..1]	Text		795
	Value <Val>	[0..1]	Text		795
	ProcessingResult <PrcgRslt>	[1..1]	±		795
	ProtectedData <PrtctdData>	[0..*]	±		795
	SupplementaryData <SplmtryData>	[0..*]	±	C1	798

41.4.2.1 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			789
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		789

41.4.2.1.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		789

41.4.2.1.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

41.4.2.2 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction100** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyExchangeFunction <KeyXchgFctn>	[1..1]	CodeSet		790
	OtherKeyExchangeFunction <OthrKeyXchgFctn>	[0..1]	Text		791
	MessageReason <MsgRsn>	[0..*]	Text		791
	AlternateMessageReason <AltrnMsgRsn>	[0..1]	Text		791
	TransactionIdentification <TxId>	[1..1]	±		791
	KeyExchangeType <KeyXchgTp>	[0..1]	CodeSet		791
	OtherKeyExchangeType <OthrKeyXchgTp>	[0..1]	Text		792
	KeyExchangeData <KeyXchgData>	[0..1]			792
	Control <Ctrl>	[0..1]	Text		792
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		793
	DerivedInformation <DrvdInf>	[0..1]	Text		793
	Algorithm <Algo>	[0..1]	Text		793
	KeyLength <KeyLngth>	[0..1]	Text		793
	KeyProtection <KeyPrtcn>	[0..1]	Text		793
	KeyIndex <KeyIndx>	[0..1]	Text		794
	EncryptedData <NcrptdData>	[0..1]	Text		794
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		794
	AdditionalFees <AddtlFees>	[0..*]	±		794
	AdditionalData <AddtlData>	[0..*]			794
	Type <Tp>	[0..1]	Text		795
	Value <Val>	[0..1]	Text		795

41.4.2.2.1 KeyExchangeFunction <KeyXchgFctn>

Presence: [1..1]

Definition: Type of key exchange function being performed.

Datatype: "CardServiceType5Code" on page 1478

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.
DEKY	DeactivateKey	Deactivate the specified key.

CodeName	Name	Definition
RQKY	RequestKey	Request new key to be generated and conveyed.

41.4.2.2.2 OtherKeyExchangeFunction <OthrKeyXchgFctn>

Presence: [0..1]

Definition: Other key exchange function being performed.

Datatype: "Max35Text" on page 1539

41.4.2.2.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send a key exchange message.

ISO 8583:1993/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

41.4.2.2.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..1]

Definition: Alternate reason to send a message.

Datatype: "Max35Text" on page 1539

41.4.2.2.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

41.4.2.2.6 KeyExchangeType <KeyXchgTp>

Presence: [0..1]

Definition: Defines the type of key being exchanged.

Datatype: "KeyType1Code" on page 1493

CodeName	Name	Definition
OTHN	OtherNational	Other national
OTHP	OtherPrivate	Other private
PTKA	PINtranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINtranslationKeyIssuer	PIN translation key applicable to the issuer

41.4.2.2.7 OtherKeyExchangeType <OthrKeyXchgTp>

Presence: [0..1]

Definition: Other type of key being exchanged.

Datatype: "Max35Text" on page 1539

41.4.2.2.8 KeyExchangeData <KeyXchgData>

Presence: [0..1]

Definition: Contains information pertaining to a key exchange.

ISO 8583 bit 96

KeyExchangeData <KeyXchgData> contains the following **KeyExchangeData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		792
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		793
	DerivedInformation <DrvdInf>	[0..1]	Text		793
	Algorithm <Algo>	[0..1]	Text		793
	KeyLength <KeyLngth>	[0..1]	Text		793
	KeyProtection <KeyPrtc>	[0..1]	Text		793
	KeyIndex <KeyIndx>	[0..1]	Text		794
	EncryptedData <NcrptdData>	[0..1]	Text		794
	KeyChecksumValue <KeyChcksmVal>	[0..1]	Text		794

41.4.2.2.8.1 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 1533

41.4.2.2.8.2 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 1542

41.4.2.2.8.3 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 1538

41.4.2.2.8.4 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 1538

41.4.2.2.8.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1540

41.4.2.2.8.6 KeyProtection <KeyPrtcn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1538

41.4.2.2.8.7 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 1540**41.4.2.2.8.8 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 1542**41.4.2.2.8.9 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 1542**41.4.2.2.9 AdditionalFees <AddtlFees>***Presence:* [0..*]*Definition:* Fees not included in the transaction amount but included in the settlement.**AdditionalFees <AddtlFees>** contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

41.4.2.2.10 AdditionalData <AddtlData>*Presence:* [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		795
	Value <Val>	[0..1]	Text		795

41.4.2.2.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

41.4.2.2.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

41.4.2.3 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Outcome of the processing of the authorisation.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult4" on page 1414 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

41.4.2.4 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

41.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

41.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

42 casr.001.001.01 SettlementReportingInitiationV01

42.1 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 SettlementReportingInitiationV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

- A. Header
Information related to the management of the protocol.
- B. Body
Information related to the initiation of the settlement.
- C. SecurityTrailer
Trailer of the message containing a MAC

42.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SttlmRptgInith>	[1..1]			
	Header <Hdr>	[1..1]	±		803
	Body <Body>	[1..1]			803
	Environment <Envt>	[1..1]			805
	SettlementInstitution <SttlmInstn>	[0..1]	±		805
	Sender <Sndr>	[0..1]	±		806
	Receiver <Rcvr>	[0..1]	±		806
	FinancialInstitution <FI>	[0..1]			807
	Identification <Id>	[1..1]	±		807
	AccountNumber <AcctNb>	[0..1]	Text		807
	OtherInstitution <OthrInstn>	[0..1]	±		807
	Context <Cntxt>	[0..1]			808
	TransactionContext <TxCntxt>	[0..1]			808
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		808
	SettlementService <SttlmSvc>	[0..1]	±		809
	Transaction <Tx>	[1..1]			809
	SettlementReportType <SttlmRptTp>	[1..1]	CodeSet		811
	OtherSettlementReportType <OthrSttlmRptTp>	[0..1]	Text		811
	MessageReason <MsgRsn>	[0..*]	Text		811
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		811
	TransactionIdentification <TxId>	[1..1]	±		811
	AdditionalFees <AddtlFees>	[0..*]	±		812
	SettlementTotals <SttlmTtls>	[0..1]			812
	AcquirerTotals <AcqrrTtls>	[0..1]			813
	Count <Cnt>	[0..1]	Quantity		814
	Amount <Amt>	[1..1]	±		814
	InterchangeFee <IntrchgFee>	[0..1]	±		814
	ProcessingFee <PrcgFee>	[0..1]	±		814
	IssuerTotals <IssrTtls>	[0..1]			814
	Count <Cnt>	[0..1]	Quantity		815

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	±		815
	InterchangeFee <IntrchnngFee>	[0..1]	±		815
	ProcessingFee <PrcgFee>	[0..1]	±		815
	OtherTotals <OthrTtls>	[0..1]			816
	Count <Cnt>	[0..1]	Quantity		816
	Amount <Amt>	[1..1]	±		816
	InterchangeFee <IntrchnngFee>	[0..1]	±		816
	ProcessingFee <PrcgFee>	[0..1]	±		817
	TotalSettlementAmount <TtlSttlmAmt>	[0..1]			817
	Count <Cnt>	[0..1]	Quantity		817
	Amount <Amt>	[1..1]	±		817
	InterchangeFee <IntrchnngFee>	[0..1]	±		818
	ProcessingFee <PrcgFee>	[0..1]	±		818
	FundsTransferAmount <FndsTrfAmt>	[0..1]	±		818
	TransactionDescription <TxDesc>	[0..1]	Text		819
	AdditionalData <AddtlData>	[0..*]			819
	Type <Tp>	[0..1]	Text		819
	Value <Val>	[0..1]	Text		819
	ProtectedData <PrctcdData>	[0..*]	±		819
	SupplementaryData <SplmtryData>	[0..*]	±	C1	822
	SecurityTrailer <SctyTrlr>	[0..1]	±		822

42.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "Header48" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

42.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the initiation of the settlement.

Body <Body> contains the following **SettlementReportingInitiation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			805
	SettlementInstitution <SttlmInstn>	[0..1]	±		805
	Sender <Sndr>	[0..1]	±		806
	Receiver <Rcvr>	[0..1]	±		806
	FinancialInstitution <FI>	[0..1]			807
	Identification <Id>	[1..1]	±		807
	AccountNumber <AcctNb>	[0..1]	Text		807
	OtherInstitution <OthrInstn>	[0..1]	±		807
	Context <Cntxt>	[0..1]			808
	TransactionContext <TxCntxt>	[0..1]			808
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		808
	SettlementService <SttlmSvc>	[0..1]	±		809
	Transaction <Tx>	[1..1]			809
	SettlementReportType <SttlmRptTp>	[1..1]	CodeSet		811
	OtherSettlementReportType <OthrSttlmRptTp>	[0..1]	Text		811
	MessageReason <MsgRsn>	[0..*]	Text		811
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		811
	TransactionIdentification <TxId>	[1..1]	±		811
	AdditionalFees <AddtlFees>	[0..*]	±		812
	SettlementTotals <SttlmTtls>	[0..1]			812
	AcquirerTotals <AcqrrTtls>	[0..1]			813
	Count <Cnt>	[0..1]	Quantity		814
	Amount <Amt>	[1..1]	±		814
	InterchangeFee <IntrchgFee>	[0..1]	±		814
	ProcessingFee <PrcgFee>	[0..1]	±		814
	IssuerTotals <IssrTtls>	[0..1]			814
	Count <Cnt>	[0..1]	Quantity		815
	Amount <Amt>	[1..1]	±		815
	InterchangeFee <IntrchgFee>	[0..1]	±		815
	ProcessingFee <PrcgFee>	[0..1]	±		815
	OtherTotals <OthrTtls>	[0..1]			816

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		816
	Amount <Amt>	[1..1]	±		816
	InterchangeFee <IntrchgFee>	[0..1]	±		816
	ProcessingFee <PrcgFee>	[0..1]	±		817
	TotalSettlementAmount <TtlSttlmAmt>	[0..1]			817
	Count <Cnt>	[0..1]	Quantity		817
	Amount <Amt>	[1..1]	±		817
	InterchangeFee <IntrchgFee>	[0..1]	±		818
	ProcessingFee <PrcgFee>	[0..1]	±		818
	FundsTransferAmount <FndsTrfAmt>	[0..1]	±		818
	TransactionDescription <TxDesc>	[0..1]	Text		819
	AdditionalData <AddtlData>	[0..*]			819
	Type <Tp>	[0..1]	Text		819
	Value <Val>	[0..1]	Text		819
	ProtectedData <PrctcdData>	[0..*]	±		819
	SupplementaryData <SplmtryData>	[0..*]	±	C1	822

42.4.2.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **Environment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementInstitution <SttlmInstn>	[0..1]	±		805
	Sender <Sndr>	[0..1]	±		806
	Receiver <Rcvr>	[0..1]	±		806
	FinancialInstitution <FI>	[0..1]			807
	Identification <Id>	[1..1]	±		807
	AccountNumber <AcctNb>	[0..1]	Text		807
	OtherInstitution <OthrInstn>	[0..1]	±		807

42.4.2.1.1 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 "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

42.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

42.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

42.4.2.1.4 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial Institution to which the settlement totals apply.

FinancialInstitution <FI> contains the following **FinancialInstitution5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		807
	AccountNumber <AcctNb>	[0..1]	Text		807

42.4.2.1.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Identification <Id> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

42.4.2.1.4.2 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "[Max35Text](#)" on page 1539

42.4.2.1.5 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 elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

42.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			808
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		808
	SettlementService <SttlmSvc>	[0..1]	±		809

42.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		808
	SettlementService <SttlmSvc>	[0..1]	±		809

42.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

42.4.2.2.1.2 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "SettlementService2" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <SttlmSvcApId>	[0..1]			1398
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1399
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1400
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

42.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction104** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementReportType <SttlmRptTp>	[1..1]	CodeSet		811
	OtherSettlementReportType <OthrSttlmRptTp>	[0..1]	Text		811
	MessageReason <MsgRsn>	[0..*]	Text		811
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		811
	TransactionIdentification <TxId>	[1..1]	±		811
	AdditionalFees <AddtlFees>	[0..*]	±		812
	SettlementTotals <SttlmTtls>	[0..1]			812
	AcquirerTotals <AcqrrTtls>	[0..1]			813
	Count <Cnt>	[0..1]	Quantity		814
	Amount <Amt>	[1..1]	±		814
	InterchangeFee <IntrchnngFee>	[0..1]	±		814
	ProcessingFee <PrcgFee>	[0..1]	±		814
	IssuerTotals <IssrTtls>	[0..1]			814
	Count <Cnt>	[0..1]	Quantity		815
	Amount <Amt>	[1..1]	±		815
	InterchangeFee <IntrchnngFee>	[0..1]	±		815
	ProcessingFee <PrcgFee>	[0..1]	±		815
	OtherTotals <OthrTtls>	[0..1]			816
	Count <Cnt>	[0..1]	Quantity		816
	Amount <Amt>	[1..1]	±		816
	InterchangeFee <IntrchnngFee>	[0..1]	±		816
	ProcessingFee <PrcgFee>	[0..1]	±		817
	TotalSettlementAmount <TtlSttlmAmt>	[0..1]			817
	Count <Cnt>	[0..1]	Quantity		817
	Amount <Amt>	[1..1]	±		817
	InterchangeFee <IntrchnngFee>	[0..1]	±		818
	ProcessingFee <PrcgFee>	[0..1]	±		818
	FundsTransferAmount <FndsTrfAmt>	[0..1]	±		818
	TransactionDescription <TxDesc>	[0..1]	Text		819
	AdditionalData <AddtlData>	[0..*]			819
	Type <Tp>	[0..1]	Text		819

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[0..1]	Text		819

42.4.2.3.1 SettlementReportType <SttlmRptTp>

Presence: [1..1]

Definition: Type of settlement report.

Datatype: "SettlementReportType1Code" on page 1519

CodeName	Name	Definition
FIPO	FinalPosition	Final settlement position.
OTHN	OtherNational	Other type of settlement report defined at national level.
OTHP	OtherPrivate	Other settlement report defined at private level.
INPO	InterimPosition	Interim settlement position.

42.4.2.3.2 OtherSettlementReportType <OthrSttlmRptTp>

Presence: [0..1]

Definition: Other type of settlement report in free text.

Datatype: "Max35Text" on page 1539

42.4.2.3.3 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25.

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

Datatype: "Exact4NumericText" on page 1534

42.4.2.3.4 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

42.4.2.3.5 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification12" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

42.4.2.3.6 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "AdditionalFee1" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

42.4.2.3.7 SettlementTotals <SttlmTtls>

Presence: [0..1]

Definition: Settlement totals of the report.

SettlementTotals <SttlmTtls> contains the following **SettlementTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquirerTotals <AcqrrTtls>	[0..1]			813
	Count <Cnt>	[0..1]	Quantity		814
	Amount <Amt>	[1..1]	±		814
	InterchangeFee <IntrchnngFee>	[0..1]	±		814
	ProcessingFee <PrcgFee>	[0..1]	±		814
	IssuerTotals <IssrTtls>	[0..1]			814
	Count <Cnt>	[0..1]	Quantity		815
	Amount <Amt>	[1..1]	±		815
	InterchangeFee <IntrchnngFee>	[0..1]	±		815
	ProcessingFee <PrcgFee>	[0..1]	±		815
	OtherTotals <OthrTtls>	[0..1]			816
	Count <Cnt>	[0..1]	Quantity		816
	Amount <Amt>	[1..1]	±		816
	InterchangeFee <IntrchnngFee>	[0..1]	±		816
	ProcessingFee <PrcgFee>	[0..1]	±		817
	TotalSettlementAmount <TtlSttlmAmt>	[0..1]			817
	Count <Cnt>	[0..1]	Quantity		817
	Amount <Amt>	[1..1]	±		817
	InterchangeFee <IntrchnngFee>	[0..1]	±		818
	ProcessingFee <PrcgFee>	[0..1]	±		818

42.4.2.3.7.1 AcquirerTotals <AcqrrTtls>

Presence: [0..1]

Definition: Settlement totals for the acquirer.

AcquirerTotals <AcqrrTtls> contains the following **SettlementCategoryTotal1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		814
	Amount <Amt>	[1..1]	±		814
	InterchangeFee <IntrchnngFee>	[0..1]	±		814
	ProcessingFee <PrcgFee>	[0..1]	±		814

42.4.2.3.7.1.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

42.4.2.3.7.1.2 Amount <Amt>

Presence: [1..1]

Definition: Gross amount.

Amount <Amt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.1.3 InterchangeFee <IntrchgFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchgFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.1.4 ProcessingFee <PrcgFee>

Presence: [0..1]

Definition: Processing fee.

ProcessingFee <PrcgFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.2 IssuerTotals <IssrTtls>

Presence: [0..1]

Definition: Settlement totals for the issuer.

IssuerTotals <IssrTtls> contains the following **SettlementCategoryTotal1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		815
	Amount <Amt>	[1..1]	±		815
	InterchangeFee <IntrchnngFee>	[0..1]	±		815
	ProcessingFee <PrcgFee>	[0..1]	±		815

42.4.2.3.7.2.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

42.4.2.3.7.2.2 Amount <Amt>

Presence: [1..1]

Definition: Gross amount.

Amount <Amt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.2.3 InterchangeFee <IntrchnngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchnngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.2.4 ProcessingFee <PrcgFee>

Presence: [0..1]

Definition: Processing fee.

ProcessingFee <PrcgFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.3 OtherTotals <OthrTtls>

Presence: [0..1]

Definition: Other settlement totals.

OtherTotals <OthrTtls> contains the following **SettlementCategoryTotal1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		816
	Amount <Amt>	[1..1]	±		816
	InterchangeFee <IntrchnngFee>	[0..1]	±		816
	ProcessingFee <PrcgFee>	[0..1]	±		817

42.4.2.3.7.3.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

42.4.2.3.7.3.2 Amount <Amt>

Presence: [1..1]

Definition: Gross amount.

Amount <Amt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.3.3 InterchangeFee <IntrchnngFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchgngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.3.4 ProcessingFee <PrcgFee>

Presence: [0..1]

Definition: Processing fee.

ProcessingFee <PrcgFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.4 TotalSettlementAmount <TtlSttlmAmt>

Presence: [0..1]

Definition: Total amount settled.

TotalSettlementAmount <TtlSttlmAmt> contains the following **SettlementCategoryTotal1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		817
	Amount <Amt>	[1..1]	±		817
	InterchangeFee <IntrchgngFee>	[0..1]	±		818
	ProcessingFee <PrcgFee>	[0..1]	±		818

42.4.2.3.7.4.1 Count <Cnt>

Presence: [0..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

42.4.2.3.7.4.2 Amount <Amt>

Presence: [1..1]

Definition: Gross amount.

Amount <Amt> contains the following elements (see ["Amount14" on page 858](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.4.3 InterchangeFee <IntrchgFee>

Presence: [0..1]

Definition: Interchange fee amount.

InterchangeFee <IntrchgFee> contains the following elements (see ["Amount14" on page 858](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.7.4.4 ProcessingFee <PrcgFee>

Presence: [0..1]

Definition: Processing fee.

ProcessingFee <PrcgFee> contains the following elements (see ["Amount14" on page 858](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.8 FundsTransferAmount <FndsTrfAmt>

Presence: [0..1]

Definition: Contains the net funds transfer amount.

FundsTransferAmount <FndsTrfAmt> contains the following elements (see ["Amount14" on page 858](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

42.4.2.3.9 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

42.4.2.3.10 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		819
	Value <Val>	[0..1]	Text		819

42.4.2.3.10.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

42.4.2.3.10.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

42.4.2.4 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

42.4.2.5 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

42.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

43 casr.002.001.01 SettlementReportingResponseV01

43.1 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 SettlementReportingResponseV01 MessageDefinition is composed of 3 MessageBuildingBlocks:

A. Header

Information related to the management of the protocol.

B. Body

Information related to the response to the settlement initiation.

ISO 8583:87 bit 110

ISO 8583:93 bit 111

ISO 8583:2003 bit 50

C. SecurityTrailer

Trailer of the message containing a MAC

43.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <SttlmRptgRspn>	[1..1]			
	Header <Hdr>	[1..1]	±		826
	Body <Body>	[1..1]			826
	Environment <Envt>	[1..1]			827
	SettlementInstitution <SttlmInstn>	[0..1]	±		828
	Sender <Sndr>	[0..1]	±		828
	Receiver <Rcvr>	[0..1]	±		829
	FinancialInstitution <FI>	[0..1]			829
	Identification <Id>	[1..1]	±		829
	AccountNumber <AcctNb>	[0..1]	Text		829
	OtherInstitution <OthrInstn>	[0..1]	±		830
	Context <Cntxt>	[0..1]			830
	TransactionContext <TxCntxt>	[0..1]			830
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		830
	SettlementService <SttlmSvc>	[0..1]	±		831
	Transaction <Tx>	[1..1]			831
	TransactionIdentification <TxId>	[1..1]	±		832
	AdditionalFees <AddtlFees>	[0..*]	±		832
	TransactionDescription <TxDesc>	[0..1]	Text		833
	AdditionalData <AddtlData>	[0..*]			833
	Type <Tp>	[0..1]	Text		833
	Value <Val>	[0..1]	Text		833
	ProcessingResult <PrccgRslt>	[1..1]	±		833
	ProtectedData <PrctcdData>	[0..*]	±		833
	SupplementaryData <SplmtryData>	[0..*]	±	C1	836
	SecurityTrailer <SctyTrlr>	[0..1]	±		836

43.3 Constraints

C1 SupplementaryDataRule

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

C2 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 "[Header48](#)" on page 1156 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctr>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

43.4.2 Body <Body>

Presence: [1..1]

Definition: Information related to the response to the settlement initiation.

ISO 8583:87 bit 110

ISO 8583:93 bit 111

ISO 8583:2003 bit 50

Body <Body> contains the following **SettlementReportingResponse1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			827
	SettlementInstitution <SttlmInstn>	[0..1]	±		828
	Sender <Sndr>	[0..1]	±		828
	Receiver <Rcvr>	[0..1]	±		829
	FinancialInstitution <FI>	[0..1]			829
	Identification <Id>	[1..1]	±		829
	AccountNumber <AcctNb>	[0..1]	Text		829
	OtherInstitution <OthrInstn>	[0..1]	±		830
	Context <Cntxt>	[0..1]			830
	TransactionContext <TxCntxt>	[0..1]			830
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		830
	SettlementService <SttlmSvc>	[0..1]	±		831
	Transaction <Tx>	[1..1]			831
	TransactionIdentification <TxId>	[1..1]	±		832
	AdditionalFees <AddtlFees>	[0..*]	±		832
	TransactionDescription <TxDesc>	[0..1]	Text		833
	AdditionalData <AddtlData>	[0..*]			833
	Type <Tp>	[0..1]	Text		833
	Value <Val>	[0..1]	Text		833
	ProcessingResult <PrcgRslt>	[1..1]	±		833
	ProtectedData <PrctcdData>	[0..*]	±		833
	SupplementaryData <SplmtryData>	[0..*]	±	C1	836

43.4.2.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **Environment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementInstitution <SttlmInstn>	[0..1]	±		828
	Sender <Sndr>	[0..1]	±		828
	Receiver <Rcvr>	[0..1]	±		829
	FinancialInstitution <FI>	[0..1]			829
	Identification <Id>	[1..1]	±		829
	AccountNumber <AcctNb>	[0..1]	Text		829
	OtherInstitution <OthrInstn>	[0..1]	±		830

43.4.2.1.1 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 "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

43.4.2.1.2 Sender <Sndr>

Presence: [0..1]

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

Sender <Sndr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

43.4.2.1.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

43.4.2.1.4 FinancialInstitution <FI>

Presence: [0..1]

Definition: Financial Institution to which the settlement totals apply.

FinancialInstitution <FI> contains the following **FinancialInstitution5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		829
	AccountNumber <AcctNb>	[0..1]	Text		829

43.4.2.1.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the financial institution.

Identification <Id> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

43.4.2.1.4.2 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Account number from which the funds get debited or credited.

Datatype: "Max35Text" on page 1539

43.4.2.1.5 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 elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

43.4.2.2 Context <Cntxt>

Presence: [0..1]

Definition: Contains or describes conditions and characteristics of the transaction.

Context <Cntxt> contains the following **Context6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionContext <TxCntxt>	[0..1]			830
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		830
	SettlementService <SttlmSvc>	[0..1]	±		831

43.4.2.2.1 TransactionContext <TxCntxt>

Presence: [0..1]

Definition: Context of the transaction.

TransactionContext <TxCntxt> contains the following **TransactionContext6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		830
	SettlementService <SttlmSvc>	[0..1]	±		831

43.4.2.2.1.1 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApld> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

43.4.2.2.1.2 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "SettlementService2" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <SttlmSvcApld>	[0..1]			1398
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1399
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1400
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

43.4.2.3 Transaction <Tx>

Presence: [1..1]

Definition: Card transaction for which an authorisation is requested.

Transaction <Tx> contains the following **Transaction84** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		832
	AdditionalFees <AddtlFees>	[0..*]	±		832
	TransactionDescription <TxDesc>	[0..1]	Text		833
	AdditionalData <AddtlData>	[0..*]			833
	Type <Tp>	[0..1]	Text		833
	Value <Val>	[0..1]	Text		833

43.4.2.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentification12](#)" on page 1303 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmsnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification <Id>	[1..1]	Text		1304

43.4.2.3.2 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount but included in the settlement.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Labl>	[0..1]	Text		863

43.4.2.3.3 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

43.4.2.3.4 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		833
	Value <Val>	[0..1]	Text		833

43.4.2.3.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

43.4.2.3.4.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

43.4.2.4 ProcessingResult <PrcgRslt>

Presence: [1..1]

Definition: Processing results of the settlement service.

ProcessingResult <PrcgRslt> contains the following elements (see "ProcessingResult3" on page 1417 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[1..1]	±		1417
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1418

43.4.2.5 ProtectedData <PrctcdData>

Presence: [0..*]

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

ProtectedData <PrctcdData> contains the following elements (see "ProtectedData1" on page 1367 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <Othrld>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyLength <KeyLngh>	[0..1]	Text		1391
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

43.4.2.6 SupplementaryData <SplmtryData>

Presence: [0..*]

Definition: Additional information that can not be captured in the structured fields and/or other specific block.

Impacted by: C1 "SupplementaryDataRule"

SupplementaryData <SplmtryData> contains the following elements (see "SupplementaryData1" on page 1151 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

43.4.3 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC

SecurityTrailer <SctyTrlr> contains the following elements (see "ContentInformationType20" on page 1364 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngh>	[0..1]	Text		1366
	KeyProtection <KeyPrtcn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

44 Message Items Types

44.1 MessageComponents

44.1.1 Account

44.1.1.1 AccountDetails2

Definition: Details of a bank account

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

44.1.1.1.1 AccountName <AcctNm>

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 1541

44.1.1.1.2 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

See ISO 8583 bit 3, Account type codes

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.1.1.3 AccountIdentification <AcctId>

Presence: [0..1]

Definition: Identification of an account.

ISO 8583 bit 102 or bit 103

Datatype: "Max35Text" on page 1539

44.1.1.2 Wallet1

Definition: Container for tenders used by the customer to perform the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

44.1.1.2.1 Provider <Prvdr>

Presence: [0..1]

Definition: Identification of the provider of the wallet.

Provider <Prvdr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.1.2.2 AdditionalWalletData <AddtlWltData>

Presence: [0..1]

Definition: Additional data associated with wallet.

Datatype: "Max256Text" on page 1538

44.1.2 Acquirer

44.1.2.1 KEKIdentifier2

Definition: Identification of a key encryption key (KEK), using previously distributed symmetric key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.2.1.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.2.1.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.2.1.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1532

44.1.2.1.4 DerivationIdentification <DerivtnId>

Presence: [0..1]

Definition: Identification used for derivation of a unique key from a master key provided for the data protection.

Datatype: "Min5Max16Binary" on page 1453

44.1.3 Address

44.1.3.1 Address1

Definition: Structured postal address.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.3.1.1 AddressLine1 <AdrLine1>

Presence: [0..1]

Definition: First line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max70Text" on page 1541

44.1.3.1.2 AddressLine2 <AdrLine2>

Presence: [0..1]

Definition: Second line of information that locates and identifies a specific address, as defined by postal services.

Datatype: "Max70Text" on page 1541

44.1.3.1.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1541

44.1.3.1.4 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1536

44.1.3.1.5 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: "Max16Text" on page 1536

44.1.3.1.6 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1539

44.1.3.1.7 CountrySubDivisionMinor <CtrySubDvsnMnr>

Presence: [0..1]

Definition: Identifies a minor subdivision of a country, for instance county, prefecture.

Datatype: "Max35Text" on page 1539

44.1.3.1.8 CountrySubDivisionMajor <CtrySubDvsnMjr>

Presence: [0..1]

Definition: Identifies a major subdivision of a country, for instance state, province.

Datatype: "Max35Text" on page 1539

44.1.3.1.9 Country <Ctry>

Presence: [0..1]

Definition: Nation with its own government occupying a particular territory.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.4 Amount

44.1.4.1 AdditionalAmounts1

Definition: Limits and amounts not part of the transaction amount. Not included in reconciliation totals.

ISO 8583 bit 54

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Labl>	[0..1]	Text		843

44.1.4.1.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "TypeOfAmount12Code" on page 1523

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
DCNT	Discount	Discount, rebate or voucher, related to loyalty programs. This amount is counted as a negative amount.
ISCF	IssuerCardholderFee	Fee applied by the card issuer to the cardholder.
CUAT	Cumulative	Contains the total amount of all authorisations related to the same cardholder purchase activities. Example: total of all incremental or splitted shipment authorisations for the same purchase.
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
AMTX	MaximumAllowedAmount	Maximum amount allowed for the transaction in the transaction amount currency if the transaction amount of the request was declined.
AMTN	MinimumAllowedAmount	Minimum amount allowed in the TransactionAmount currency if the transaction amount of the request was declined.
AMTQ	RequestedAmount	Transaction amount that has been requested to be authorised.
OTHN	OtherNational	Other type of amount defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of amount defined at private level.
RQCH	RequestedCashback	Requested cashback amount
ANTA	Anticipated	Amount anticipated for the transaction
PDCC	PreDCC	Local amount before DCC (Dynamic Currency Conversion) was applied.

44.1.4.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of amount.

Datatype: "Max35Text" on page 1539

44.1.4.1.3 Amount <Amt>

Presence: [1..1]

Definition: Amount of one occurrence of the breakdown amount.

Amount <Amt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.4.1.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the additional amount.

Datatype: "Max70Text" on page 1541

44.1.4.2 TransactionAmounts1

Definition: Amounts of the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

44.1.4.2.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifier or type of amount.

ISO 8583:93/2003 bit 24

Datatype: "TypeOfAmount11Code" on page 1523

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default 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).
RESA	Reserved	Reserved or updated reserved amount for reservation.
PRXY	Proxy	Substitute for an amount to be authorised.
DPST	Deposit	Deposit amount.

44.1.4.2.2 TransactionAmount <TxAmt>

Presence: [0..1]

Definition: Actual amount of the transaction.

TransactionAmount <TxAmt> contains the following elements (see "TransactionAmount1" on page 846 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		846
	Currency <Ccy>	[1..1]	CodeSet	C2	846

44.1.4.2.3 CardholderBillingAmount <CrdhldrBllgAmt>

Presence: [0..1]

Definition: Present when the cardholder billing currency differs from the transaction currency expressed in the amount of the transaction. It may be populated by the card scheme or an intermediary processor as normally the acceptor does not know the billing currency for which the cardholder will be debited.

CardholderBillingAmount <CrhdldrBllgAmt> contains the following elements (see "[Amount4](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

44.1.4.2.4 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

Calculated based on the transaction amount, except when the transaction amount is absent. When transaction amount is absent, the reconciliation amount is calculated on the detailed amount field

ReconciliationAmount <RcncltnAmt> contains the following elements (see "[Amount4](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

44.1.4.2.5 DetailedAmount <DtldAmt>

Presence: [0..*]

Definition: Further details of some or all amounts in the transaction amount.

DetailedAmount <DtldAmt> contains the following elements (see "[DetailedAmount19](#)" on page 852 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		852
	OtherType <OthrTp>	[0..1]	Text		853
	Amount <Amt>	[1..1]	±		853
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		853
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		853
	Label <Labl>	[0..1]	Text		854

44.1.4.2.6 OriginalTransactionAmounts <OrgnlTxAmts>

Presence: [0..1]

Definition: Amount related to the original transaction.

ISO 8583:87 bit 95

ISO 8583:93/2003 bit 30

OriginalTransactionAmounts <OrgnlTxAmts> contains the following elements (see "OriginalTransactionAmount1" on page 847 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		847
	TransactionAmount <TxAmt>	[1..1]	±		847
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	±		848
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		848

44.1.4.3 TransactionAmount1

Definition: Actual amount of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		846
	Currency <Ccy>	[1..1]	CodeSet	C2	846

44.1.4.3.1 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.

ISO 8583 bit 4.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.3.2 Currency <Ccy>

Presence: [1..1]

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

ISO 8583:87/93 bit 49

ISO 8583:2003 bit 4

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.4.4 OriginalTransactionAmount1

Definition: Amount related to the original transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		847
	TransactionAmount <TxAmt>	[1..1]	±		847
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]	±		848
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		848

44.1.4.4.1 AmountQualifier <AmtQlfr>

Presence: [0..1]

Definition: Qualifies the amount of the transaction.

Datatype: "TypeOfAmount11Code" on page 1523

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default 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).
RESA	Reserved	Reserved or updated reserved amount for reservation.
PRXY	Proxy	Substitute for an amount to be authorised.
DPST	Deposit	Deposit amount.

44.1.4.4.2 TransactionAmount <TxAmt>

Presence: [1..1]

Definition: Actual amount of the transaction.

TransactionAmount <TxAmt> contains the following elements (see "[TransactionAmount1](#)" on page 846 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		846
	Currency <Ccy>	[1..1]	CodeSet	C2	846

44.1.4.4.3 CardholderBillingAmount <CrdhldrBlIgAmt>

Presence: [0..1]

Definition: Amount to be billed to cardholder.

CardholderBillingAmount <CrdhldrBlIgAmt> contains the following elements (see "[Amount4](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

44.1.4.4.4 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Amount used for reconciliation.

ReconciliationAmount <RcncltnAmt> contains the following elements (see "[Amount4](#)" on page 857 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

44.1.4.5 InstalmentAmountDetails1

Definition: Instalment amount details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		848
	OtherType <OthrTp>	[0..1]	Text		849
	SubType <SubTp>	[0..1]	Text		849
	Amount <Amt>	[0..1]	±		849
	Percentage <Pctg>	[0..1]	Rate		849

44.1.4.5.1 Type <Tp>

Presence: [0..1]

Definition: Grace period unit type.

Datatype: "[InstalmentAmountDetailsType1Code](#)" on page 1491

CodeName	Name	Definition
TAXX	Tax	Instalment amount tax
RQST	Requested	Requested amount
OTHP	OtherPrivate	Grace period unit type
OTHN	OtherNational	Grace period unit type
OTHC	OtherCharges	Other amounts
INSU	Insurance	Insurance amount
FUNA	Funded	Funded amount
FEES	Fees	Fees amount
EXPN	Expense	Expense Amount
AFCO	AnnualFinancingCost	Total financing cost per annum.

44.1.4.5.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 1539

44.1.4.5.3 SubType <SubTp>

Presence: [0..1]

Definition: Grace period sub type.

Datatype: "Max35Text" on page 1539

44.1.4.5.4 Amount <Amt>

Presence: [0..1]

Definition: Detailed instalment amount.

Amount <Amt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.5.5 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 1532

44.1.4.6 FeeAmount2

Definition: Amount, currency, exchange rate and quotation date, sign and label.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		850
	Currency <Ccy>	[0..1]	CodeSet	C2	850
	ExchangeRate <XchgRate>	[0..1]	Rate		850
	QuotationDate <QtnDt>	[0..1]	DateTime		850
	Sign <Sgn>	[0..1]	Indicator		851

44.1.4.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount exclusive of currency.

ISO 8583:87 bit 8, 28, 29, 30 & 31

ISO 8583:93/2003 bit 8 & 46

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency for the type of amount.

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.4.6.3 ExchangeRate <XchgRate>

Presence: [0..1]

Definition: Exchange rate of the currency code associated with the amount.

ISO 8583 bit 9 (for use with reconciliation/settlement amount)

ISO 8583 bit 10 (for use with cardholder billing amount)

Datatype: "BaseOneRate" on page 1532

44.1.4.6.4 QuotationDate <QtnDt>

Presence: [0..1]

Definition: Date and time at which the exchange rate has been quoted.

Datatype: "ISODateTime" on page 1530

44.1.4.6.5 Sign <Sgn>

Presence: [0..1]

Definition: Indicates whether the amount value is positive or negative.

Negative: the receiver of the message owes the fee to the sender.

Positive: the sender of the message owes the fee to the receiver.

Datatype: One of the following values must be used (see ["PlusOrMinusIndicator" on page 1530](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

44.1.4.7 DetailedAmount20

Definition: Breakdown of the transaction amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		851
	OtherType <OthrTp>	[0..1]	Text		851
	Amount <Amt>	[1..1]	±		851
	Label <Labl>	[0..1]	Text		852

44.1.4.7.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: ["DetailAmount2Code" on page 1484](#)

CodeName	Name	Definition
OTHN	OtherNational	Other type of amount defined at national level
OTHP	OtherPrivate	Other type of amount defined at private level
SRCH	Surcharge	Fee charged by the acceptor for the transaction.

44.1.4.7.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Additional information to specify the type of amount.

Datatype: ["Max35Text" on page 1539](#)

44.1.4.7.3 Amount <Amt>

Presence: [1..1]

Definition: Amount of one occurrence of the breakdown amount.

Amount <Amt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.7.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the detailed amount.

Datatype: "Max70Text" on page 1541

44.1.4.8 DetailedAmount19

Definition: Breakdown of the transaction amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		852
	OtherType <OthrTp>	[0..1]	Text		853
	Amount <Amt>	[1..1]	±		853
	CardholderBillingAmount <CrhdldrBllgAmt>	[0..1]	±		853
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		853
	Label <Labl>	[0..1]	Text		854

44.1.4.8.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "DetailAmount1Code" on page 1484

CodeName	Name	Definition
CSHB	Cashback	Cashback amount
DONN	Donation	Donation amount
DCCF	DynamicCurrencyConversionFee	Dynamic Currency Conversion type of amount
EXTR	Extra	Extra charges (for example, minibar, etc.)
FORX	ForeignExchangeFee	Fee applicable to a foreign exchange (Forex) transaction
GRTY	Gratuity	Gratuity amount
OTHN	OtherNational	Other type of amount defined at national level
OTHP	OtherPrivate	Other type of amount defined at private level

CodeName	Name	Definition
SRCH	Surcharge	Fee charged by the acceptor for the transaction.
TAXT	Tax	Tax applicable to the transaction

44.1.4.8.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Additional information to specify the type of amount.

Datatype: "Max35Text" on page 1539

44.1.4.8.3 Amount <Amt>

Presence: [1..1]

Definition: Detailed amount expressed in the transaction currency.

Amount <Amt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.8.4 CardholderBillingAmount <CrdhldrBlgAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the cardholder billing currency.

CardholderBillingAmount <CrdhldrBlgAmt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.8.5 ReconciliationAmount <RcncltnAmt>

Presence: [0..1]

Definition: Detailed amount expressed in the reconciliation currency.

ReconciliationAmount <RcncltnAmt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.8.6 Label <Lbl>

Presence: [0..1]

Definition: Short description of the detailed amount.

Datatype: "Max70Text" on page 1541

44.1.4.9 AuthorisedAmount1

Definition: Provides the amount reserved to cover the anticipated charges associated with the lodging stay.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateTime <DtTm>	[0..1]	DateTime		854
	Amount <Amt>	[1..1]	Amount		854
	AdditionalData <AddtlData>	[0..1]	Text		854

44.1.4.9.1 DateTime <DtTm>

Presence: [0..1]

Definition: Date and time of the amount authorized

Datatype: "ISODatetime" on page 1530

44.1.4.9.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional information about the authorized amount.

Datatype: "Max350Text" on page 1538

44.1.4.10 Amount9

Definition: Describes each adjustment made to the original price.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		855
	OtherType <OthrTp>	[0..1]	Text		856
	Amount <Amt>	[0..1]	Amount		856
	CreditIndicator <CdtInd>	[0..1]	Indicator		856
	CustomerNotifiedIndicator <CstmrNtfldInd>	[0..1]	Indicator		856

44.1.4.10.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee.

Datatype: "CarRentalServiceType2Code" on page 1479

CodeName	Name	Definition
ADJM	Adjustment	Rental amount adjustment
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.
OTHN	OtherNational	Other National
OTHP	OtherPrivate	Other Private
PARK	Parking	Parking charges.
PRIN	PersonalAccidentInsurance	Personal Accident Insurance
PFIN	PersonalEffectsInsurance	Personal Effects Insurance
PHON	Phone	On-board telephone service.

CodeName	Name	Definition
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.

44.1.4.10.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Description of other type of amount or fee.

Datatype: "Max35Text" on page 1539

44.1.4.10.3 Amount <Amt>

Presence: [0..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.10.4 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.4.10.5 CustomerNotifiedIndicator <CstmrNtfndInd>

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 1530):

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

44.1.4.11 Amount5

Definition: Signed amount in a given numeric currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.4.11.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.11.2 Sign <Sgn>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 1530):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

44.1.4.12 Amount4

Definition: Amount, currency, exchange rate and quotation date.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		857
	Currency <Ccy>	[0..1]	CodeSet	C2	857
	ExchangeRate <XchgRate>	[0..1]	Quantity		857
	QuotationDate <QtnDt>	[0..1]	DateTime		858

44.1.4.12.1 Amount <Amt>

Presence: [1..1]

Definition: Amount exclusive of currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.12.2 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: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.4.12.3 ExchangeRate <XchgRate>

Presence: [0..1]

Definition: The factor used in the conversion from one amount to another amount.

Datatype: "DecimalNumber" on page 1531

44.1.4.12.4 QuotationDate <QtnDt>

Presence: [0..1]

Definition: Date and time at which the exchange rate has been quoted.

Datatype: "ISODateTime" on page 1530

44.1.4.13 Amount14

Definition: Signed amount in a given currency

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.4.13.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.13.2 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: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.4.13.3 Sign <Sgn>

Presence: [0..1]

Definition: Sign of the amount.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 1530):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

44.1.4.14 Amount13

Definition: Contains the details of the billing amount

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		859
	Description <Desc>	[0..1]	Text		859
	Amount <Amt>	[1..1]	Amount		859

44.1.4.14.1 Type <Tp>

Presence: [0..1]

Definition: Describes the amount type.

Datatype: "Max35Text" on page 1539

44.1.4.14.2 Description <Desc>

Presence: [0..1]

Definition: Additional information about the amount.

Datatype: "Max35Text" on page 1539

44.1.4.14.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.15 Amount11

Definition: Contains amount details for a specific type of charge.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfCharge <TpOfChrg>	[0..1]	CodeSet		859
	OtherTypeOfCharge <OthrTpOfChrg>	[0..1]	Text		860
	Amount <Amt>	[1..1]	Amount		860
	CreditIndicator <CdtInd>	[0..1]	Indicator		860

44.1.4.15.1 TypeOfCharge <TpOfChrg>

Presence: [0..1]

Definition: Type of telephone charge.

Datatype: "TypeOfAmount19Code" on page 1525

CodeName	Name	Definition
CONN	Connect	Telephone connection-related charge
INSU	Insurance	Insurance charges
LNDS	LongDistance	Charges related to a long distance call.

CodeName	Name	Definition
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
USGE	Usage	Telephone usage-related charge

44.1.4.15.2 OtherTypeOfCharge <OthrTpOfChrg>

Presence: [0..1]

Definition: Description of other type of charge.

Datatype: "Max35Text" on page 1539

44.1.4.15.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.15.4 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.4.16 Amount10

Definition: Contains the details of the billing amount

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Description <Desc>	[0..1]	Text		860
	Amount <Amt>	[1..1]	Amount		861
	CreditIndicator <CdtInd>	[0..1]	Indicator		861
	Tax <Tax>	[0..*]	±		861

44.1.4.16.1 Description <Desc>

Presence: [0..1]

Definition: Description of the amount details.

Datatype: "Max35Text" on page 1539

44.1.4.16.2 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.4.16.3 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.4.16.4 Tax <Tax>

Presence: [0..*]

Definition: Tax applicable to the billing amount.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.4.17 AdditionalFee1

Definition: Fees not included in the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

44.1.4.17.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of fee.

Datatype: "TypeOfAmount10Code" on page 1523

CodeName	Name	Definition
INTC	InterchangeFee	Interchange fee.
FEPP	ProcessingFees	Processing fees.
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
FEEA	InternationalServiceAssessmentFees	International service assessment fees.

44.1.4.17.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Additional information to specify the type of amount of fee.

Datatype: "Max35Text" on page 1539

44.1.4.17.3 FeeProgram <FeePrgrm>

Presence: [0..1]

Definition: Identification of fee program.

Datatype: "Max35Text" on page 1539

44.1.4.17.4 FeeDescriptor <FeeDscrptr>

Presence: [0..1]

Definition: Identification of specific fee.

Datatype: "Max35Text" on page 1539

44.1.4.17.5 Amount <Amt>

Presence: [1..1]

Definition: Amount of one occurrence of the fee amount.

Amount <Amt> contains the following elements (see "FeeAmount2" on page 849 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		850
	Currency <Ccy>	[0..1]	CodeSet	C2	850
	ExchangeRate <XchgRate>	[0..1]	Rate		850
	QuotationDate <QtnDt>	[0..1]	DateTime		850
	Sign <Sgn>	[0..1]	Indicator		851

44.1.4.17.6 Label <Labl>

Presence: [0..1]

Definition: Short description of the fee amount.

Datatype: "Max140Text" on page 1536

44.1.4.18 AdditionalAmounts2

Definition: Limits and amounts not part of the transaction amount.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		863
	OtherType <OthrTp>	[0..1]	Text		863
	Amount <Amt>	[1..1]	±		863
	Label <Labl>	[0..1]	Text		864

44.1.4.18.1 Type <Tp>

Presence: [1..1]

Definition: Type or class of amount.

Datatype: "TypeOfAmount17Code" on page 1524

CodeName	Name	Definition
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
ISCF	IssuerCardholderFee	Fee applied by the card issuer to the cardholder.
ANTA	Anticipated	Amount anticipated for the transaction

44.1.4.18.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of amount.

Datatype: "Max35Text" on page 1539

44.1.4.18.3 Amount <Amt>

Presence: [1..1]

Definition: Amount of one occurrence of the breakdown amount.

Amount <Amt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.4.18.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the additional amount.

Datatype: "Max70Text" on page 1541

44.1.5 Balance

44.1.5.1 AccountBalance1

Definition: Balance of the account involved in the card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[1..1]	Text		864
	Balance <Bal>	[0..*]			864
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrdhldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

44.1.5.1.1 AccountType <AcctTp>

Presence: [1..1]

Definition: Account for which a balance is sought.

See ISO 8583 bit 54, Account type codes

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.5.1.2 Balance <Bal>

Presence: [0..*]

Definition: Balance of the account.

Balance <Bal> contains the following **Balance15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		865
	OtherType <OthrTp>	[0..1]	Text		865
	Amount <Amt>	[1..1]	Amount		865
	Currency <Ccy>	[0..1]	CodeSet	C2	866
	Sign <Sgn>	[0..1]	Indicator		866
	CardholderCurrencyIndicator <CrdhldrCcyInd>	[0..1]	Indicator		866
	BalanceDate <BalDt>	[0..1]	Date		866

44.1.5.1.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of card account balance.

Datatype: "BalanceType14Code" on page 1474

CodeName	Name	Definition
AMOH	AmountOnHold	Amount put on hold.
AMTO	AmountOwing	Amount of money owed
AMTD	AmountDue	Amount of money due.
CRDL	CreditLine	Credit line available.
OTHN	OtherNational	Other type of balance defined at national level
OTHP	OtherPrivate	Other type of balance defined at private level.
AVLB	Available	Balance of money or securities that is at the disposal of the account owner on the date specified.
CLRI	ClearedItem	Cleared items balance.
LDGR	Ledger	Ledger balance refers to posted transactions (e.g. limit authorisation amount - posted transactions).

44.1.5.1.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other card account balance type.

Datatype: "Max35Text" on page 1539

44.1.5.1.2.3 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.5.1.2.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the account

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.5.1.2.5 Sign <Sgn>

Presence: [0..1]

Definition: Indicates whether the value of the balance is positive or negative.

Datatype: One of the following values must be used (see "PlusOrMinusIndicator" on page 1530):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

44.1.5.1.2.6 CardholderCurrencyIndicator <CrdblrcyInd>

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 1530):

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

44.1.5.1.2.7 BalanceDate <BalDt>

Presence: [0..1]

Definition: Date of the balance.

Datatype: "ISODate" on page 1530

44.1.5.2 AccountStatementData1

Definition: Statement information of an account.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StatementDate <StmntDt>	[0..1]	Date		867
	StatementTime <StmntTm>	[0..1]	Time		867
	AccountStatement <AcctStmnt>	[0..*]			867
	TransactionDate <TxDt>	[1..1]	Date		868
	PendingIndicator <PdgInd>	[0..1]	Indicator		868
	TransactionPostingDate <TxPstngDt>	[0..1]	Date		868
	TransactionAmount <TxAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	869
	CardholderBillingAmount <CrdhldrBlgAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	870
	CreditIndicator <CdtInd>	[0..1]	Indicator		870
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		870
	ShortTransactionDescription <ShrtTxDesc>	[0..1]	Text		870
	LongTransactionDescription <LngTxDesc>	[0..1]	Text		870

44.1.5.2.1 StatementDate <StmntDt>

Presence: [0..1]

Definition: Date the statement is generated.

Datatype: "ISODate" on page 1530

44.1.5.2.2 StatementTime <StmntTm>

Presence: [0..1]

Definition: Time the account statement is generated.

Datatype: "ISOTime" on page 1543

44.1.5.2.3 AccountStatement <AcctStmnt>

Presence: [0..*]

Definition: Statement information.

AccountStatement <AcctStmnt> contains the following **AccountStatementDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDate <TxDt>	[1..1]	Date		868
	PendingIndicator <PdgInd>	[0..1]	Indicator		868
	TransactionPostingDate <TxPstngDt>	[0..1]	Date		868
	TransactionAmount <TxAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	869
	CardholderBillingAmount <CrdhldrBllgAmt>	[0..1]			869
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	870
	CreditIndicator <CdtInd>	[0..1]	Indicator		870
	AcceptorNameAndLocation <AccptrNmAndLctn>	[0..1]	Text		870
	ShortTransactionDescription <ShrtTxDesc>	[0..1]	Text		870
	LongTransactionDescription <LngTxDesc>	[0..1]	Text		870

44.1.5.2.3.1 TransactionDate <TxDt>

Presence: [1..1]

Definition: Date of the transaction.

Datatype: "ISODate" on page 1530

44.1.5.2.3.2 PendingIndicator <PdgInd>

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 1530):

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

44.1.5.2.3.3 TransactionPostingDate <TxPstngDt>

Presence: [0..1]

Definition: Posting date of the transaction.

Datatype: "ISODate" on page 1530

44.1.5.2.3.4 TransactionAmount <TxAmt>*Presence:* [0..1]*Definition:* Amount of the transaction.**TransactionAmount <TxAmt>** contains the following **Amount7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	869

44.1.5.2.3.4.1 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1451**44.1.5.2.3.4.2 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: C2 "ValidationByTable"*Datatype:* "ISO3NumericCurrencyCode" on page 1492**Constraints**

- **ValidationByTable**

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

44.1.5.2.3.5 CardholderBillingAmount <CrdhldrBllgAmt>*Presence:* [0..1]*Definition:* Cardholder billing amount of the transaction.**CardholderBillingAmount <CrdhldrBllgAmt>** contains the following **Amount7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		869
	Currency <Ccy>	[0..1]	CodeSet	C2	870

44.1.5.2.3.5.1 Amount <Amt>*Presence:* [1..1]*Definition:* Amount value.*Datatype:* "ImpliedCurrencyAndAmount" on page 1451

44.1.5.2.3.5.2 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: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.5.2.3.6 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether the transaction is a credit or debit.

True indicates the transaction is a credit.

False indicates the transaction is a debit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.5.2.3.7 AcceptorNameAndLocation <AccptrNmAndLctn>

Presence: [0..1]

Definition: Currency of the amount.

Datatype: "Max99Text" on page 1542

44.1.5.2.3.8 ShortTransactionDescription <ShrtTxDesc>

Presence: [0..1]

Definition: Short transaction description to print or display.

Datatype: "Max70Text" on page 1541

44.1.5.2.3.9 LongTransactionDescription <LngTxDesc>

Presence: [0..1]

Definition: Long transaction description to print or display.

Datatype: "Max256Text" on page 1538

44.1.6 Batch Management

44.1.6.1 BatchManagementInformation1

Definition: Elements of identification of a batch management transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.6.1.1 CollectionIdentification <ColltnId>

Presence: [0..1]

Definition: Identification of the collection to which the batch belongs.

ISO 8583:2003 bit 69-2

Datatype: "Max35Text" on page 1539

44.1.6.1.2 BatchIdentification <BtchId>

Presence: [1..1]

Definition: Identification of the batch to which the message belongs.

ISO 8583:2003 bit 69-2

Datatype: "Max35Text" on page 1539

44.1.6.1.3 MessageSequenceNumber <MsgSeqNb>

Presence: [0..1]

Definition: Sequence number of the message inside the batch.

ISO 8583:87/93 bit 71

ISO 8583:2003 bit 68-2

Datatype: "Max15NumericText" on page 1536

44.1.6.1.4 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 1452

44.1.6.2 ClearingRecordData1

Definition: Information used with financial types of messages when third-party clearing is involved.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Originator <Orgtr>	[0..1]	±		872
	Destination <Dstrn>	[0..1]	±		872
	ClearingMethod <ClrMtd>	[1..1]	CodeSet		873
	OtherClearingMethod <OthrClrMtd>	[0..1]	Text		873
	ClearingPriority <ClrPrty>	[0..1]	Text		873
	ClearingDate <ClrDt>	[0..1]	Date		873
	ClearingAmount <ClrAmt>	[0..1]	±		873
	InterchangeFee <IntrchgngFee>	[0..1]	±		874
	AgentFee <AgtFee>	[0..1]	±		874
	OtherAmount <OthrAmt>	[0..1]			874
	ClearingCount <ClrCnt>	[1..1]	Quantity		875
	ClearingAmount <ClrAmt>	[1..1]	±		875
	InterchangeFee <IntrchgngFee>	[0..1]	±		875
	AgentFee <AgtFee>	[0..1]	±		875

44.1.6.2.1 Originator <Orgtr>

Presence: [0..1]

Definition: Originator of the batch.

Originator <Orgtr> contains the following elements (see "Originator1" on page 1239 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1239
	Assigner <Assgnr>	[0..1]	Text		1239
	Country <Ctry>	[0..1]	CodeSet		1239
	ShortName <ShrtNm>	[0..1]	Text		1240

44.1.6.2.2 Destination <Dstrn>

Presence: [0..1]

Definition: Institution, final destination of the batch.

Destination <Dstn> contains the following elements (see "Destination1" on page 1240 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1240
	Assigner <Assgnr>	[0..1]	Text		1240
	Country <Ctry>	[0..1]	CodeSet		1240
	ShortName <ShrtNm>	[0..1]	Text		1240

44.1.6.2.3 ClearingMethod <ClrMtd>

Presence: [1..1]

Definition: Type of clearing of the transaction.

Datatype: "ClearingMethod2Code" on page 1480

CodeName	Name	Definition
DAYC	Day	Day clearing.
DFRD	Deferred	Clearing to be deferred in time.
INST	Instant	Clearing for instant payments and transfers.
OTHN	OtherNational	Other type of clearing method defined at national level.
OTHP	OtherPrivate	Other type of clearing method defined at private level.
RLTM	RealTime	Clearing done in real time.

44.1.6.2.4 OtherClearingMethod <OthrClrMtd>

Presence: [0..1]

Definition: Other type of clearing method.

Datatype: "Max35Text" on page 1539

44.1.6.2.5 ClearingPriority <ClrPrty>

Presence: [0..1]

Definition: Level of priority of clearing.

Datatype: "Max35Text" on page 1539

44.1.6.2.6 ClearingDate <ClrDt>

Presence: [0..1]

Definition: Date of clearing.

Datatype: "ISODate" on page 1530

44.1.6.2.7 ClearingAmount <ClrAmt>

Presence: [0..1]

Definition: Net amount of clearing.

ClearingAmount <ClrAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.6.2.8 InterchangeFee <IntrchgngFee>

Presence: [0..1]

Definition: Interchange reimbursement fee.

InterchangeFee <IntrchgngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.6.2.9 AgentFee <AgtFee>

Presence: [0..1]

Definition: Fee pertaining to the agent.

AgentFee <AgtFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.6.2.10 OtherAmount <OthrAmt>

Presence: [0..1]

Definition: Other amounts involved in clearing.

OtherAmount <OthrAmt> contains the following **OtherAmount2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClearingCount <ClrCnt>	[1..1]	Quantity		875
	ClearingAmount <ClrAmt>	[1..1]	±		875
	InterchangeFee <IntrchgngFee>	[0..1]	±		875
	AgentFee <AgtFee>	[0..1]	±		875

44.1.6.2.10.1 ClearingCount <ClrCnt>

Presence: [1..1]

Definition: Number of other amounts involved in clearing.

Datatype: "Number" on page 1532

44.1.6.2.10.2 ClearingAmount <ClrAmt>

Presence: [1..1]

Definition: Amount of clearing.

ClearingAmount <ClrAmt> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.6.2.10.3 InterchangeFee <IntrchgngFee>

Presence: [0..1]

Definition: Interchange fee.

InterchangeFee <IntrchgngFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.6.2.10.4 AgentFee <AgtFee>

Presence: [0..1]

Definition: Agent fee.

AgentFee <AgtFee> contains the following elements (see "Amount14" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		858
	Currency <Ccy>	[0..1]	CodeSet	C2	858
	Sign <Sgn>	[0..1]	Indicator		858

44.1.7 Card

44.1.7.1 CardData1

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>	[1..1]	Text		876
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		877
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		877
	EffectiveDate <FctvDt>	[0..1]	Text		877
	ExpiryDate <XpryDt>	[0..1]	Text		877
	ServiceCode <SvcCd>	[0..1]	Text		877
	Track1 <Trck1>	[0..1]	Text		878
	Track2 <Trck2>	[0..1]			878
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878
	Track3 <Trck3>	[0..1]	Text		879
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		879
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		879
	CardProductType <CardPdctTp>	[0..1]	Text		879
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		879
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		879
	AdditionalCardData <AddtlCardData>	[0..1]	Text		880

44.1.7.1.1 PAN <PAN>

Presence: [1..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 1537

44.1.7.1.2 ProtectedPANIndicator <PrctdPANInd>

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 1530):

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

44.1.7.1.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: "Min2Max3NumericText" on page 1542

44.1.7.1.4 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.

ISO 8583:93 & ISO 8583:2003-1 bit 13

Datatype: "Max10Text" on page 1535

44.1.7.1.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 1534

44.1.7.1.6 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Service attached to the card as defined in ISO 7813.

ISO 8583 bit 40.

Datatype: "Exact3NumericText" on page 1533

44.1.7.1.7 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.

ISO 8583 bit 45

Datatype: "Max76Text" on page 1541

44.1.7.1.8 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.

ISO 8583 bit 35

Track2 <Trck2> contains one of the following **Track2Data1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	TextValue <TxtVal>	[1..1]	Text		878
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		878

44.1.7.1.8.1 TextValue <TxtVal>

Presence: [1..1]

Definition: Value of track 2 data expressed in text form.

Datatype: "Max37Text" on page 1539

44.1.7.1.8.2 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 1537

44.1.7.1.9 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.

ISO 8583 bit 36

Datatype: "Max104Text" on page 1534

44.1.7.1.10 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.

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 1539

44.1.7.1.11 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

ISO 8583 bit 20

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.7.1.12 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 1539

44.1.7.1.13 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Subtype of card product.

Datatype: "Max35Text" on page 1539

44.1.7.1.14 CardPortfolioIdentifier <CardPrftlldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1539

44.1.7.1.15 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1541

44.1.7.2 CardProgrammeMode1

Definition: Programme or brand of the card for the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

44.1.7.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of card programme or brand.

Datatype: "Max35Text" on page 1539

44.1.7.2.2 Identification <Id>

Presence: [1..1]

Definition: Identification of the card programme or brand.

Datatype: "Max35Text" on page 1539

44.1.7.3 CardProgramme1

Definition: Card programme or brand related to the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]			880
	Type <Tp>	[0..1]	Text		881
	Identification <Id>	[1..*]	Text		881
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		881

44.1.7.3.1 CardProgrammeProposed <CardPrgrmmPropsd>

Presence: [0..*]

Definition: Card programme or brand proposed for the transaction.

CardProgrammeProposed <CardPrgrmmPropsd> contains the following **CardProgrammeMode2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		881
	Identification <Id>	[1..*]	Text		881

44.1.7.3.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of card programme or brand.

Datatype: "Max35Text" on page 1539

44.1.7.3.1.2 Identification <Id>

Presence: [1..*]

Definition: Identification of the card programme or brand.

Datatype: "Max35Text" on page 1539

44.1.7.3.2 CardProgrammeApplied <CardPrgrmmApId>

Presence: [0..1]

Definition: Card programme or brand actually applied to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

44.1.7.4 CardData5

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		882
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		882
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		882
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		882
	PANAccountRange <PANAcctRg>	[0..1]	Text		883
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		883
	AdditionalCardData <AddtlCardData>	[0..1]	Text		883

44.1.7.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card or a surrogate of the PAN such as a payment token.

ISO 8583 bit 2

Datatype: "Max19NumericText" on page 1537

44.1.7.4.2 ProtectedPANIndicator <PrtctdPANInd>

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 1530):

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

44.1.7.4.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: "Min2Max3NumericText" on page 1542

44.1.7.4.4 PaymentAccountReference <PmtAcctRef>

Presence: [0..1]

Definition: A unique non-financial reference assigned to a given payment account. May be used to link all transaction activity associated with the same payment account.

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 1539

44.1.7.4.5 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 1537

44.1.7.4.6 CardPortfolioIdentifier <CardPrftlldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1539

44.1.7.4.7 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1541

44.1.7.5 CardData4

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		884
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		884
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		885
	EffectiveDate <FctvDt>	[0..1]	Text		885
	ExpiryDate <XpryDt>	[0..1]	Text		885
	Track3 <Trck3>	[0..1]	Text		885
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		885
	PANAccountRange <PANAcctRg>	[0..1]	Text		886
	PANFourLastDigits <PANFourLastDgts>	[0..1]	Text		886
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		886
	CardCurrencyCode <CardCcyCd>	[0..1]	CodeSet	C2	886
	CardProductType <CardPdctTp>	[0..1]	Text		886
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		886
	CardPortfolioIdentifier <CardPrftlIdr>	[0..1]	Text		887
	AdditionalCardData <AddtlCardData>	[0..1]	Text		887

44.1.7.5.1 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 1537

44.1.7.5.2 ProtectedPANIndicator <PrtctdPANInd>

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 1530):

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

44.1.7.5.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: "Min2Max3NumericText" on page 1542

44.1.7.5.4 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.

ISO 8583:93 & ISO 8583:2003-1 bit 13

Datatype: "Max10Text" on page 1535

44.1.7.5.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 1534

44.1.7.5.6 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.

ISO 8583 bit 36

Datatype: "Max104Text" on page 1534

44.1.7.5.7 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.

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 1539

44.1.7.5.8 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 1537

44.1.7.5.9 PANFourLastDigits <PANFourLastDgts>

Presence: [0..1]

Definition: Last four digits of the PAN.

Datatype: "Max4NumericText" on page 1540

44.1.7.5.10 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

ISO 8583 bit 20

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.7.5.11 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code assigned to the card by the card issuer.

ISO 8583:2003 bit 6.

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.7.5.12 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 1539

44.1.7.5.13 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Subtype of card product.

Datatype: "Max35Text" on page 1539

44.1.7.5.14 CardPortfolioIdentifier <CardPrtflldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1539

44.1.7.5.15 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1541

44.1.7.6 CardData3

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		887
	ProtectedPANIndicator <PrctcdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrtflldr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

44.1.7.6.1 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 1537

44.1.7.6.2 ProtectedPANIndicator <PrctcdPANInd>

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 1530):

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

44.1.7.6.3 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: ["Min2Max3NumericText"](#) on page 1542

44.1.7.6.4 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.

ISO 8583:93 & ISO 8583:2003-1 bit 13

Datatype: ["Max10Text"](#) on page 1535

44.1.7.6.5 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card or payment token.

ISO 8583 bit 14.

Datatype: ["Exact4NumericText"](#) on page 1534

44.1.7.6.6 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 1539

44.1.7.6.7 PANReferenceIdentifier <PANRefIdr>

Presence: [0..1]

Definition: PAN reference identifier.

Datatype: "Max35Text" on page 1539

44.1.7.6.8 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 1537

44.1.7.6.9 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

ISO 8583 bit 20

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.7.6.10 CardProductType <CardPdctTp>

Presence: [0..1]

Definition: Type of card product.

Datatype: "Max35Text" on page 1539

44.1.7.6.11 CardProductSubType <CardPdctSubTp>

Presence: [0..1]

Definition: Sub type of card product.

Datatype: "Max35Text" on page 1539

44.1.7.6.12 CardPortfolioIdentifier <CardPrftIdr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1539

44.1.7.6.13 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card issuer specific data.

Datatype: "Max70Text" on page 1541

44.1.7.7 CardData2

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		890
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		890
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		890
	CardPortfolioidentifier <CardPrtfldr>	[0..1]	Text		890

44.1.7.7.1 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 1537

44.1.7.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Distinguishes between instances of the same payment card.

ISO 8583 bit 23

Datatype: "Min2Max3NumericText" on page 1542

44.1.7.7.3 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 1539

44.1.7.7.4 CardPortfolioidentifier <CardPrtfldr>

Presence: [0..1]

Definition: Identifies the card portfolio.

Datatype: "Max35Text" on page 1539

44.1.8 Card Transaction

44.1.8.1 AddendumData1

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
	PurchaseIdentifierType <PurchsldrTp>	[0..1]	CodeSet		891
	OtherPurchaseIdentifierType <OthrPurchsldrTp>	[0..1]	Text		892
	PurchaseIdentifier <Purchsldr>	[0..1]	Text		892
	AdditionalAcceptorData <AddtlAccptrData>	[0..1]	±		892
	Customer <Cstmr>	[0..1]	±		893
	Sale <Sale>	[0..1]	±		894
	Fleet <Fleet>	[0..1]	±		894
	Invoice <Inv>	[0..1]	±		894
	TravelAgency <TrvlAgcy>	[0..1]	±		895
	PassengerTransport <PssngrTrnsprt>	[0..1]	±		895
	VehicleRental <VhclRntl>	[0..*]	±		895
	Lodging <Ldgg>	[0..*]	±		896
	ShippingData <ShppgData>	[0..1]	±		896
	TelecommunicationServices <TelecomSvcs>	[0..1]	±		897
	TemporaryServices <TempSvcs>	[0..*]	±		897
	Instalment <Instlmt>	[0..1]	±		898
	AdditionalData <AddtlData>	[0..*]			898
	Type <Tp>	[0..1]	Text		899
	Value <Val>	[0..1]	Text		899

44.1.8.1.1 PurchaseIdentifierType <PurchsldrTp>

Presence: [0..1]

Definition: Specifies the type of identifier present in the message.

Datatype: "PurchaseIdentifierType1Code" on page 1514

CodeName	Name	Definition
CONU	ContractNumber	Contract Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
FONU	FolioNumber	Folio Number

CodeName	Name	Definition
INNU	InvoiceNumber	Invoice Number
ORNU	OrderNumber	Order Number
OTHN	OtherNational	Other Purchase Identifier defined at a national level.
OTHP	OtherPrivate	Other Purchase Identifier defined at a private level.
PRNU	PaymentReferenceNumber	Payment Reference Number
PUID	PurchaseIdentification	Purchase Identification
RELO	RecordLocator	Record Locator
REAG	RentalAgreement	Rental Agreement
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
SUOR	SupplierOrder	Supplier Order
TINU	TicketNumber	Ticket Number
TRNU	TrackingNumber	Tracking Number
SUIN	SupplierInvoice	Supplier Invoice
TNID	TransactionIdentification	Transaction Identification is a proprietary value provided by the card acceptor or acquirer to uniquely identify a given transaction.

44.1.8.1.2 OtherPurchaseIdentifierType <OthrPurchsldrTp>

Presence: [0..1]

Definition: Used when Purchase Identifier Type is Other National or Other Private.

Datatype: "Max35Text" on page 1539

44.1.8.1.3 PurchaseIdentifier <Purchsldr>

Presence: [0..1]

Definition: Contains a value identifying Invoice Data or Purchase Request Data.

Datatype: "Max99Text" on page 1542

44.1.8.1.4 AdditionalAcceptorData <AddtlAccptrData>

Presence: [0..1]

Definition: Contains additional card acceptor data.

AdditionalAcceptorData <AddtlAccptrData> contains the following elements (see "AdditionalAcceptorData1" on page 1209 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1210
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1210
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1211
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1211
	AdditionalIdentification <AddtlId>	[0..*]			1211
	Type <Tp>	[1..1]	CodeSet		1211
	OtherType <OthrTp>	[0..1]	Text		1212
	Value <Val>	[1..1]	Text		1212
	Characteristics <Chrtcs>	[0..1]			1212
	BusinessType <BizTp>	[0..1]			1212
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Owner <Ownr>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Certification <Certfctn>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214
	OwnerEthnicity <OwnrEthncty>	[0..1]			1214
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214
	AdditionalInformation <AddtlInf>	[0..1]	Text		1214

44.1.8.1.5 Customer <Cstmr>

Presence: [0..1]

Definition: Information about the customer.

Customer <Cstmr> contains the following elements (see "[Customer4](#)" on page 1248 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1248
	ReferenceNumber <RefNb>	[0..1]	Text		1249
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1249
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1249
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1249
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1249
	VIIndicator <VIInd>	[0..1]	Indicator		1249
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1249

44.1.8.1.6 Sale <Sale>

Presence: [0..1]

Definition: Details of good and services included in the sale.

Sale <Sale> contains the following elements (see "[Sale1](#)" on page 989 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		990
	LinItem <LinItem>	[0..*]	±		990

44.1.8.1.7 Fleet <Fleet>

Presence: [0..1]

Definition: Fleet data pertaining to the payment transaction.

Fleet <Fleet> contains the following elements (see "[FleetData2](#)" on page 1099 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1099
	LinItem <LinItem>	[0..*]	±		1103

44.1.8.1.8 Invoice <Invc>

Presence: [0..1]

Definition: Invoice data pertaining to the payment transaction.

Invoice <Invc> contains the following elements (see "[Invoice1](#)" on page 1059 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1059
	LinItem <LinItem>	[0..*]	±		1061

44.1.8.1.9 TravelAgency <TrvlAgcy>*Presence:* [0..1]

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 "[TravelAgency2](#)" on page 934 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Company <Cpny>	[0..1]	±		934
	TravelPackage <TrvlPackg>	[0..*]	±		935
	AdditionalData <AddtlData>	[0..1]	Text		935

44.1.8.1.10 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 "[PassengerTransport1](#)" on page 1017 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1017
	TripLeg <TripLeg>	[0..*]	±		1018
	AncillaryPurchase <AncllryPurchs>	[0..*]	±		1020
	HiredVehicleDetails <HirdVhclDtls>	[0..*]	±		1021

44.1.8.1.11 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 "[VehicleRentalService1](#)" on page 899 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleRentalCompany <VhclRntlCpny>	[0..1]	±		899
	Customer <Cstmr>	[0..1]	±		900
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		900
	RentalAgreement <RntlAgrmt>	[0..1]	±		901
	RentalInvoice <RntlInvc>	[0..1]	±		901
	AdditionalData <AddtlData>	[0..1]	Text		902

44.1.8.1.12 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 "[Lodging2](#)" on page 1040 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1040
	LineItem <Lineitm>	[0..*]	±		1041

44.1.8.1.13 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 "[ShippingData1](#)" on page 973 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvNb>	[0..1]	Text		973
	InvoiceCreationDateTime <InvCreDtTm>	[0..1]	DateTime		973
	ServiceDescriptorCode <SvcDscrptrCd>	[0..1]	Text		974
	IncentiveAmount <IncntivAmt>	[0..1]	Amount		974
	MiscellaneousExpenses <MiscExpnss>	[0..1]	Amount		974
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		974
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		974
	NetAmount <NetAmt>	[0..1]	Amount		974
	Tax <Tax>	[0..*]	±		974
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		975
	NumberOfPackages <NbOfPackgs>	[0..1]	Text		975
	Package <Packg>	[0..*]	±		975
	AdditionalData <AddtlData>	[0..1]	Text		976

44.1.8.1.14 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 "[TelecomServices1](#)" on page 965 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		965
	LineItem <LineItm>	[0..*]	±		965

44.1.8.1.15 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 <TempSvc> contains the following elements (see "TemporaryServices1" on page 955 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContractingCompany <CtrctgCpny>	[0..1]	±		956
	TemporaryEmployee <TempMplyee>	[0..1]	±		956
	Job <Job>	[0..1]	±		957
	FlatRateIndicator <FlatRateInd>	[0..1]	Indicator		957
	DiscountAmount <DscntAmt>	[0..1]	Amount		957
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		957
	Labor <Labr>	[0..1]			958
	TimeSheetNumber <TmSheetNb>	[0..1]	Text		958
	WeekEnding <WkEndg>	[0..1]	Text		958
	Charge <Chrg>	[0..*]			958
	Type <Tp>	[0..1]	CodeSet		958
	OtherType <OthrTp>	[0..1]	Text		959
	Rate <Rate>	[0..1]	Amount		959
	Hours <Hrs>	[0..1]	Text		959
	MiscellaneousExpenses <MiscExpnss>	[0..*]	±		959
	SubtotalAmount <SbttlAmt>	[0..1]	Amount		960
	Tax <Tax>	[0..*]	±		960
	AdditionalData <AddtlData>	[0..1]	Text		960

44.1.8.1.16 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 "Instalment3" on page 1062 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentSequenceNumber <PmtSeqNb>	[0..1]	Quantity		1063
	Plan <Plan>	[0..*]	±		1063

44.1.8.1.17 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data for the addendum.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		899
	Value <Val>	[0..1]	Text		899

44.1.8.1.17.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.8.1.17.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.8.2 VehicleRentalService1

Definition: Vehicle rental service provides detailed vehicle rental information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleRentalCompany <VhclRntlCpny>	[0..1]	±		899
	Customer <Cstmr>	[0..1]	±		900
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		900
	RentalAgreement <RntlAgrmt>	[0..1]	±		901
	RentalInvoice <RntlInvc>	[0..1]	±		901
	AdditionalData <AddtlData>	[0..1]	Text		902

44.1.8.2.1 VehicleRentalCompany <VhclRntlCpny>

Presence: [0..1]

Definition: Company in charge of a vehicle rental service.

VehicleRentalCompany <VhclRntlCpny> contains the following elements (see "VehicleRentalCompany1" on page 1232 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1233
	Identification <Id>	[0..1]	±		1233
	Address <Adr>	[0..1]	±		1233
	Contact <Ctct>	[0..1]			1234
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1234
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1234
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1235
	Email <Email>	[0..1]	Text		1235
	FaxNumber <FaxNb>	[0..1]	Text		1235
	URLAddress <URLAdr>	[0..1]	Text		1235
	Language <Lang>	[0..1]	CodeSet	C3	1235
	Country <Ctry>	[0..1]	Text		1235
	Type <Tp>	[0..1]	CodeSet		1235
	OtherType <OthrTp>	[0..1]	Text		1236

44.1.8.2.2 Customer <Cstmr>

Presence: [0..1]

Definition: Customer renting a vehicle.

Customer <Cstmr> contains the following elements (see "VehicleRentalCustomer1" on page 907 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RenterName <RntrNm>	[1..1]	Text		908
	CorporateName <CorpNm>	[0..1]	Text		908
	CorporateIdentifier <Corpldr>	[1..1]	Text		908
	Assigner <Assgnr>	[0..1]	CodeSet		908
	PrimaryDriver <PmryDrvr>	[0..*]	±		908
	AdditionalDriver <AddtlDrvr>	[0..*]	±		909
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		910

44.1.8.2.3 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 1539

44.1.8.2.4 RentalAgreement <RntlAgrmt>

Presence: [0..1]

Definition: Agreement (contract) related to a vehicle rental service.

RentalAgreement <RntlAgrmt> contains the following elements (see "[VehicleRentalAgreement1](#)" on page 911 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AgreementNumber <AgrmtNb>	[0..1]	Text		912
	AdjustedIndicator <AdjstdInd>	[0..1]	Indicator		912
	RentalLocation <RntlLctn>	[0..1]	±		912
	PickupLocation <PckpLctn>	[0..*]	±		912
	CheckOutDate <ChckOutDt>	[0..1]	Date		913
	CheckOutTime <ChckOutTm>	[0..1]	Time		913
	ReturnLocation <RtrLctn>	[0..1]	±		913
	CheckInDate <ChckInDt>	[0..1]	Date		914
	CheckInTime <ChckInTm>	[0..1]	Time		914
	Duration <Drtn>	[0..1]	Text		914
	VehicleClassDetails <VhclClssDtls>	[0..1]	±		914
	TravelDistance <TrvIDstnc>	[0..1]	±		915
	RentalRate <RntlRate>	[0..*]	±		915
	RentalDetails <RntlDtls>	[0..1]	±		915
	VehicleRegistrationNumber <VhclRegnNb>	[0..1]	Text		917
	InsuranceIndicator <Insrnclnd>	[0..1]	Indicator		917
	AdditionalAmount <AddtlAmt>	[0..*]	±		918
	EstimatedTax <EstmtdTax>	[0..*]	±		918
	DiscountProgramme <DscntPrgrmm>	[0..*]			918
	Type <Tp>	[0..1]	Text		919
	Value <Val>	[1..1]	Text		919
	LoyaltyProgramme <LtyPrgrmm>	[0..*]	±		919

44.1.8.2.5 RentalInvoice <RntlInvc>

Presence: [0..1]

Definition: Invoice related to a vehicle rental service.

RentalInvoice <RntlInvc> contains the following elements (see "VehicleRentalInvoice1" on page 902 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NoShowIndicator <NoShowInd>	[0..1]	Indicator		903
	AdjustedIndicator <AdjstdInd>	[0..1]	Indicator		903
	ReturnLocation <RtrLctn>	[0..1]	±		903
	CheckOutDate <ChckOutDt>	[0..1]	Date		904
	CheckOutTime <ChckOutTm>	[0..1]	Time		904
	CheckInDate <ChckInDt>	[0..1]	Date		904
	CheckInTime <ChckInTm>	[0..1]	Time		904
	Duration <Drtn>	[0..1]	Text		904
	VehicleClassInvoiced <VhclClssInvcd>	[0..1]	±		905
	VehicleClassProvided <VhclClssPrvdd>	[0..1]	±		905
	TravelDistance <TrvlDstnc>	[0..1]	±		905
	RentalCharge <RntlChrg>	[0..*]	±		906
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		906
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		906
	AdditionalAmount <AddtlAmt>	[0..*]	±		906
	Tax <Tax>	[0..*]	±		907

44.1.8.2.6 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the vehicle rental.

Datatype: "Max350Text" on page 1538

44.1.8.3 VehicleRentalInvoice1

Definition: Invoice related to a vehicle rental service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NoShowIndicator <NoShowInd>	[0..1]	Indicator		903
	AdjustedIndicator <AdjstdInd>	[0..1]	Indicator		903
	ReturnLocation <RtrLctn>	[0..1]	±		903
	CheckOutDate <ChckOutDt>	[0..1]	Date		904
	CheckOutTime <ChckOutTm>	[0..1]	Time		904
	CheckInDate <ChckInDt>	[0..1]	Date		904
	CheckInTime <ChckInTm>	[0..1]	Time		904
	Duration <Drtn>	[0..1]	Text		904
	VehicleClassInvoiced <VhclClssInvcd>	[0..1]	±		905
	VehicleClassProvided <VhclClssPrvdd>	[0..1]	±		905
	TravelDistance <TrvlDstnc>	[0..1]	±		905
	RentalCharge <RntlChrg>	[0..*]	±		906
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		906
	InsuranceIndicator <InsrnclInd>	[0..1]	Indicator		906
	AdditionalAmount <AddtlAmt>	[0..*]	±		906
	Tax <Tax>	[0..*]	±		907

44.1.8.3.1 NoShowIndicator <NoShowInd>

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 1530):

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

44.1.8.3.2 AdjustedIndicator <AdjstdInd>

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 1530):

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

44.1.8.3.3 ReturnLocation <RtrLctn>

Presence: [0..1]

Definition: Location to which vehicle was returned.

ReturnLocation <RtrLctn> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.3.4 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 1530

44.1.8.3.5 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 1543

44.1.8.3.6 CheckInDate <ChckInDt>

Presence: [0..1]

Definition: Date when the vehicle was returned to the rental agency.

Datatype: "ISODate" on page 1530

44.1.8.3.7 CheckInTime <ChckInTm>

Presence: [0..1]

Definition: Time when the vehicle was returned to the rental agency.

Datatype: "ISOTime" on page 1543

44.1.8.3.8 Duration <Drtn>

Presence: [0..1]

Definition: Duration of rental in days.

Datatype: "Max4NumericText" on page 1540

44.1.8.3.9 VehicleClassInvoiced <VhclClssInvcd>*Presence:* [0..1]*Definition:* Contains the details of the vehicle class invoiced to the renter regardless of the class of vehicle actually provided.**VehicleClassInvoiced <VhclClssInvcd>** contains the following elements (see "[Vehicle4](#)" on [page 919](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Clss>	[0..1]	Text		919
	Make <Make>	[0..1]	Text		919
	Model <Mdl>	[0..1]	Text		920
	RegistrationNumber <RegnNb>	[0..1]	Text		920

44.1.8.3.10 VehicleClassProvided <VhclClssPrvdd>*Presence:* [0..1]*Definition:* Contains the details of the vehicle class of the vehicle actually provided to the renter at the time of vehicle pick-up. This may be an upgrade class of vehicle, above that invoiced to the renter.**VehicleClassProvided <VhclClssPrvdd>** contains the following elements (see "[Vehicle4](#)" on [page 919](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Clss>	[0..1]	Text		919
	Make <Make>	[0..1]	Text		919
	Model <Mdl>	[0..1]	Text		920
	RegistrationNumber <RegnNb>	[0..1]	Text		920

44.1.8.3.11 TravelDistance <TrvlDstnc>*Presence:* [0..1]*Definition:* Distance travelled during vehicle rental.

TravelDistance <TrvlDstnc> contains the following elements (see "Distance1" on page 1120 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1120
	OdometerStart <OdmtrStart>	[0..1]	Text		1120
	OdometerReturn <OdmtrRtr>	[0..1]	Text		1120
	TotalDistance <TtlDstnc>	[0..1]	Text		1120
	FreeDistance <FreeDstnc>	[0..1]	Text		1121
	Rate <Rate>	[0..1]	Amount		1121

44.1.8.3.12 RentalCharge <RntlChrg>

Presence: [0..*]

Definition: Vehicle rental charge.

RentalCharge <RntlChrg> contains the following elements (see "RentalRate1" on page 1281 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Period <Prd>	[0..1]	CodeSet		1281
	OtherPeriod <OthrPrd>	[0..1]	Text		1282
	Rate <Rate>	[0..1]	Amount		1282
	PeriodCount <PrdCnt>	[0..1]	Text		1282

44.1.8.3.13 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 1539

44.1.8.3.14 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 1530):

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

44.1.8.3.15 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 "Amount9" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		855
	OtherType <OthrTp>	[0..1]	Text		856
	Amount <Amt>	[0..1]	Amount		856
	CreditIndicator <CdtInd>	[0..1]	Indicator		856
	CustomerNotifiedIndicator <CstmrNtfldInd>	[0..1]	Indicator		856

44.1.8.3.16 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.4 VehicleRentalCustomer1

Definition: Customer renting a vehicle.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RenterName <RntrNm>	[1..1]	Text		908
	CorporateName <CorpNm>	[0..1]	Text		908
	CorporateIdentifier <Corpldr>	[1..1]	Text		908
	Assigner <Assgnr>	[0..1]	CodeSet		908
	PrimaryDriver <PmryDvr>	[0..*]	±		908
	AdditionalDriver <AddtlDvr>	[0..*]	±		909
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		910

44.1.8.4.1 RenterName <RntrNm>

Presence: [1..1]

Definition: Name of the vehicle rental customer.

Datatype: "Max70Text" on page 1541

44.1.8.4.2 CorporateName <CorpNm>

Presence: [0..1]

Definition: Corporate name of the vehicle rental customer.

Datatype: "Max70Text" on page 1541

44.1.8.4.3 Corporateldentifier <Corpldr>

Presence: [1..1]

Definition: Corporate identifier of the vehicle rental customer.

Datatype: "Max35Text" on page 1539

44.1.8.4.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning an identification to a vehicle rental customer.

Datatype: "CustomerAssigner1Code" on page 1483

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.

44.1.8.4.5 PrimaryDriver <PmryDrvr>

Presence: [0..*]

Definition: Vehicle rental driver.

PrimaryDriver <PmryDrvr> contains the following elements (see "DriverInParty1" on page 1113 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1114
	Address <Adr>	[0..1]	±		1114
	Contact <Ctct>	[0..1]	±		1115
	DateOfBirth <DtOfBirth>	[0..1]	Date		1115
	Age <Age>	[0..1]	Text		1116
	DriverCredential <DrvrCrdntl>	[0..*]			1116
	Type <Tp>	[1..1]	CodeSet		1116
	Form <Form>	[0..1]	CodeSet		1117
	Identification <Id>	[1..1]	Text		1117
	Assigner <Assgnr>	[0..1]	Text		1117
	IssuanceDate <IssncDt>	[0..1]	Date		1117
	ExpirationDate <XprtnDt>	[0..1]	Date		1117
	Country <Ctry>	[0..1]	Text		1118
	DrivingLicense <DrvgLic>	[0..1]			1118
	Type <Tp>	[0..1]	Text		1118
	Form <Form>	[0..1]	CodeSet		1118
	Identification <Id>	[1..1]	Text		1119
	Assigner <Assgnr>	[0..1]	CodeSet		1119
	IssuanceDate <IssncDt>	[0..1]	Date		1119
	ExpirationDate <XprtnDt>	[0..1]	Date		1119
	Country <Ctry>	[0..1]	Text		1119
	State <Stat>	[0..1]	Text		1119
	Province <Prvc>	[0..1]	Text		1119
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1120

44.1.8.4.6 AdditionalDriver <AddtlDrvr>

Presence: [0..*]

Definition: Type of identification of the additional vehicle rental customer.

AdditionalDriver <AddtlDrvr> contains the following elements (see "DriverInParty1" on page 1113 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1114
	Address <Adr>	[0..1]	±		1114
	Contact <Ctct>	[0..1]	±		1115
	DateOfBirth <DtOfBirth>	[0..1]	Date		1115
	Age <Age>	[0..1]	Text		1116
	DriverCredential <DrvrCrdntl>	[0..*]			1116
	Type <Tp>	[1..1]	CodeSet		1116
	Form <Form>	[0..1]	CodeSet		1117
	Identification <Id>	[1..1]	Text		1117
	Assigner <Assgnr>	[0..1]	Text		1117
	IssuanceDate <IssncDt>	[0..1]	Date		1117
	ExpirationDate <XprtnDt>	[0..1]	Date		1117
	Country <Ctry>	[0..1]	Text		1118
	DrivingLicense <DrvgLic>	[0..1]			1118
	Type <Tp>	[0..1]	Text		1118
	Form <Form>	[0..1]	CodeSet		1118
	Identification <Id>	[1..1]	Text		1119
	Assigner <Assgnr>	[0..1]	CodeSet		1119
	IssuanceDate <IssncDt>	[0..1]	Date		1119
	ExpirationDate <XprtnDt>	[0..1]	Date		1119
	Country <Ctry>	[0..1]	Text		1119
	State <Stat>	[0..1]	Text		1119
	Province <Prvc>	[0..1]	Text		1119
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1120

44.1.8.4.7 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LtyPrgrmm> contains the following elements (see "[LoyaltyProgramme2](#)" on page 1021 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <PrgmId>	[0..1]	Text		1022
	ParticipantIdentification <PtcptId>	[0..1]	Text		1022

44.1.8.5 VehicleRentalAgreement1

Definition: Agreement (contract) related to a vehicle rental service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AgreementNumber <AgrmtNb>	[0..1]	Text		912
	AdjustedIndicator <AdjstdInd>	[0..1]	Indicator		912
	RentalLocation <RntlLctn>	[0..1]	±		912
	PickupLocation <PckpLctn>	[0..*]	±		912
	CheckOutDate <ChckOutDt>	[0..1]	Date		913
	CheckOutTime <ChckOutTm>	[0..1]	Time		913
	ReturnLocation <RtrLctn>	[0..1]	±		913
	CheckInDate <ChckInDt>	[0..1]	Date		914
	CheckInTime <ChckInTm>	[0..1]	Time		914
	Duration <Drtn>	[0..1]	Text		914
	VehicleClassDetails <VhclClssDtls>	[0..1]	±		914
	TravelDistance <TrvlDstnc>	[0..1]	±		915
	RentalRate <RntlRate>	[0..*]	±		915
	RentalDetails <RntlDtls>	[0..1]	±		915
	VehicleRegistrationNumber <VhclRegnNb>	[0..1]	Text		917
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		917
	AdditionalAmount <AddtlAmt>	[0..*]	±		918
	EstimatedTax <EstmtdTax>	[0..*]	±		918
	DiscountProgramme <DscntPrgrmm>	[0..*]			918
	Type <Tp>	[0..1]	Text		919
	Value <Val>	[1..1]	Text		919
	LoyaltyProgramme <LtyPrgrmm>	[0..*]	±		919

44.1.8.5.1 AgreementNumber <AgrmtNb>

Presence: [0..1]

Definition: Contains the original vehicle rental agreement, invoice or contract number.

Datatype: "Max35Text" on page 1539

44.1.8.5.2 AdjustedIndicator <AdjstdInd>

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 1530):

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

44.1.8.5.3 RentalLocation <RntlLctn>

Presence: [0..1]

Definition: Contains the vehicle rental location.

RentalLocation <RntlLctn> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.5.4 PickupLocation <PckpLctn>

Presence: [0..*]

Definition: Used when different than rental location

PickupLocation <PckpLctn> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.5.5 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 1530

44.1.8.5.6 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 1543

44.1.8.5.7 ReturnLocation <RtrLctn>

Presence: [0..1]

Definition: Location to which vehicle was returned.

ReturnLocation <RtrLctn> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.5.8 CheckInDate <ChckInDt>

Presence: [0..1]

Definition: Date when the vehicle was returned to the rental agency.

Datatype: "ISODate" on page 1530

44.1.8.5.9 CheckInTime <ChckInTm>

Presence: [0..1]

Definition: Time when the vehicle was returned to the rental agency.

Datatype: "ISOTime" on page 1543

44.1.8.5.10 Duration <Drtn>

Presence: [0..1]

Definition: Duration of rental in days.

Datatype: "Max4NumericText" on page 1540

44.1.8.5.11 VehicleClassDetails <VhclClsDtls>

Presence: [0..1]

Definition: Contains the details of the vehicle classification.

VehicleClassDetails <VhclCllsDtls> contains the following elements (see "Vehicle4" on page 919 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Clls>	[0..1]	Text		919
	Make <Make>	[0..1]	Text		919
	Model <Mdl>	[0..1]	Text		920
	RegistrationNumber <RegnNb>	[0..1]	Text		920

44.1.8.5.12 TravelDistance <TrvlDstnc>

Presence: [0..1]

Definition: Distance travelled during vehicle rental.

TravelDistance <TrvlDstnc> contains the following elements (see "Distance1" on page 1120 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1120
	OdometerStart <OdmtrStart>	[0..1]	Text		1120
	OdometerReturn <OdmtrRtr>	[0..1]	Text		1120
	TotalDistance <TtlDstnc>	[0..1]	Text		1120
	FreeDistance <FreeDstnc>	[0..1]	Text		1121
	Rate <Rate>	[0..1]	Amount		1121

44.1.8.5.13 RentalRate <RntlRate>

Presence: [0..*]

Definition: Vehicle rental rate.

RentalRate <RntlRate> contains the following elements (see "RentalRate1" on page 1281 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Period <Prd>	[0..1]	CodeSet		1281
	OtherPeriod <OthrPrd>	[0..1]	Text		1282
	Rate <Rate>	[0..1]	Amount		1282
	PeriodCount <PrdCnt>	[0..1]	Text		1282

44.1.8.5.14 RentalDetails <RntlDtls>

Presence: [0..1]

Definition: Vehicle rental details.

RentalDetails <RntIDtls> contains the following elements (see "RentalDetails1" on page 992 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RentalIdentification <RntlId>	[0..1]	Text		994
	RentalDateTime <RntlDtTm>	[0..1]	DateTime		994
	RentalStart <RntlStart>	[0..1]			994
	Location <Lctn>	[0..1]	Text		995
	LocationCode <LctnCd>	[0..1]	Text		995
	Address <Adr>	[0..1]	±		996
	Contact <Ctct>	[0..1]			996
	Name <Nm>	[0..1]	Text		997
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		997
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		997
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		997
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		997
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		997
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		997
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		997
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		997
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		998
	URLAddress <URLAdr>	[0..1]	Text		998
	Language <Lang>	[0..1]	CodeSet		998
	DateAndTime <DtAndTm>	[0..1]	DateTime		998
	TimeSegment <TmSgmt>	[0..1]	CodeSet		998
	JourneyInformation <JrnyInf>	[0..1]			998
	JourneyType <JrnyTp>	[0..1]	CodeSet		999
	JourneyData <JrnyData>	[0..1]	Text		999
	DateAndTime <DtAndTm>	[0..1]	DateTime		999
	RentalReturn <RntlRtr>	[0..1]			999
	Location <Lctn>	[0..1]	Text		1000
	LocationCode <LctnCd>	[0..1]	Text		1000
	Address <Adr>	[0..1]	±		1001
	Contact <Ctct>	[0..1]			1001

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1002
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1002
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1002
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1002
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1002
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1002
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1002
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1002
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1002
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1003
	URLAddress <URLAdr>	[0..1]	Text		1003
	Language <Lang>	[0..1]	CodeSet		1003
	DateAndTime <DtAndTm>	[0..1]	DateTime		1003
	TimeSegment <TmSgmt>	[0..1]	CodeSet		1003
	JourneyInformation <JrnyInf>	[0..1]			1003
	JourneyType <JrnyTp>	[0..1]	CodeSet		1004
	JourneyData <JrnyData>	[0..1]	Text		1004
	DateAndTime <DtAndTm>	[0..1]	DateTime		1004
	RentalTimePeriod <RntlTmPrd>	[0..*]	CodeSet		1004
	TimePeriodUnit <TmPrdUnit>	[0..1]	Text		1005
	TimePeriodRate <TmPrdRate>	[0..1]	Amount		1005
	Currency <Ccy>	[0..1]	CodeSet	C2	1005

44.1.8.5.15 VehicleRegistrationNumber <VhclRegnNb>

Presence: [0..1]

Definition: Registration number of vehicle.

Datatype: "Max70Text" on page 1541

44.1.8.5.16 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 1530):

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

44.1.8.5.17 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 "Amount9" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		855
	OtherType <OthrTp>	[0..1]	Text		856
	Amount <Amt>	[0..1]	Amount		856
	CreditIndicator <CdtInd>	[0..1]	Indicator		856
	CustomerNotifiedIndicator <CstmrNtfldInd>	[0..1]	Indicator		856

44.1.8.5.18 EstimatedTax <EstmtdTax>

Presence: [0..*]

Definition: Taxes related to the products or services.

EstimatedTax <EstmtdTax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.5.19 DiscountProgramme <DscntPrgrmm>

Presence: [0..*]

Definition: Discount applied to the vehicle rental.

DiscountProgramme <DscntPrgrmm> contains the following **Discount3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		919
	Value <Val>	[1..1]	Text		919

44.1.8.5.19.1 Type <Tp>

Presence: [0..1]

Definition: Describes the type of discount applied to the transaction.

Datatype: "Max35Text" on page 1539

44.1.8.5.19.2 Value <Val>

Presence: [1..1]

Definition: Monetary value of the discount applied to the transaction.

Datatype: "Max35Text" on page 1539

44.1.8.5.20 LoyaltyProgramme <LtyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme details.

LoyaltyProgramme <LtyPrgrmm> contains the following elements (see "LoyaltyProgramme1" on page 1022 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeEligibilityIndicator <PrgrmmElgbltyInd>	[0..*]	Indicator		1022
	ProgrammeIssuer <PrgrmmIssr>	[0..1]	Text		1023
	LoyaltyMember <LtyMmb>	[0..1]	±		1023

44.1.8.6 Vehicle4

Definition: Attributes of vehicle.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Class <Clss>	[0..1]	Text		919
	Make <Make>	[0..1]	Text		919
	Model <Mdl>	[0..1]	Text		920
	RegistrationNumber <RegnNb>	[0..1]	Text		920

44.1.8.6.1 Class <Clss>

Presence: [0..1]

Definition: Contains the classification of the vehicle (for example, economy, intermediate, luxury, etc.)

Datatype: "Max35Text" on page 1539

44.1.8.6.2 Make <Make>

Presence: [0..1]

Definition: Brand or manufacturer of the vehicle.

Datatype: "Max35NumericText" on page 1539

44.1.8.6.3 Model <Mdl>

Presence: [0..1]

Definition: Product line of vehicle within the make.

Datatype: "Max35NumericText" on page 1539

44.1.8.6.4 RegistrationNumber <RegnNb>

Presence: [0..1]

Definition: Registration number of vehicle.

Datatype: "Max35Text" on page 1539

44.1.8.7 TripLeg1

Definition: Supplies additional transaction information for travel transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceNumber <SeqNb>	[0..1]	Text		922
	Ticket <Tckt>	[0..1]			922
	TicketNumber <TcktNb>	[0..1]	Text		923
	TicketIssuer <Tcktlssr>	[0..1]	±		923
	TicketIssueDate <Tcktlssedt>	[0..1]	Date		924
	TicketIssueLocation <Tcktlsselctn>	[0..1]	Text		924
	ConjunctionTicketNumber <CnjnctnTcktNb>	[0..1]	Text		924
	RestrictedTicketIndicator <RstrctdTcktInd>	[0..1]	Indicator		924
	OpenTicketIndicator <OpnTcktInd>	[0..1]	Indicator		924
	Restrictions <Rstrctns>	[0..1]	Text		924
	ExchangedTicketIndicator <XchgdtcktInd>	[0..1]	Indicator		925
	ExchangedTicketNumber <XchgdtcktNb>	[0..1]	Text		925
	RecordLocatorNumber <RcrdLctrNb>	[0..1]	Text		925
	Reservation <Rsvatn>	[0..1]			925
	System <Sys>	[0..1]	Text		925
	ReservationNumber <RsvatnNb>	[0..1]	Text		925
	OriginalSystem <OrgnlSys>	[0..1]	Text		926
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		926
	Document <Doc>	[0..*]			926
	Type <Tp>	[0..1]	Text		926
	Reference <Ref>	[0..1]	Text		926
	ProcedureReference <PrcdrRef>	[0..1]	Text		926
	TransportType <TrnsprtTp>	[0..1]	CodeSet		926
	OtherTransportType <OthrTrnsprtTp>	[0..1]	Text		927
	CommodityCode <CmmdtyCd>	[0..1]	Text		927
	Carrier <Crrier>	[0..1]			927
	Name <Nm>	[0..1]	Text		927
	Code <Cd>	[0..1]	Text		927
	IATACode <IATACd>	[0..1]	Text		928
	RouteNumber <RouteNb>	[0..1]	Text		928
	ServiceClass <SvcClss>	[0..1]	Text		928

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Departure <Dprture>	[0..1]	±		928
	Arrival <Arrvl>	[0..1]	±		928
	Duration <Drtn>	[0..1]	Text		929
	StopOverIndicator <StopOverInd>	[0..1]	Indicator		929
	NonDirectRouteCode <NonDrctRouteCd>	[0..1]	Text		929
	FairBasisCode <FairBsisCd>	[0..1]	Text		929
	InsuranceIndicator <Insrnclnd>	[0..1]	Indicator		929
	TripLegAmount <TripLegAmt>	[0..*]			929
	Type <Tp>	[0..1]	CodeSet		930
	OtherType <OthrTp>	[0..1]	Text		930
	Amount <Amt>	[1..1]	Amount		931
	CreditIndicator <CdtInd>	[0..1]	Indicator		931
	Tax <Tax>	[0..*]	±		931
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		931
	ProcedureIdentification <Prcdrld>	[0..1]	Text		931
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		932
	AdditionalData <AddtlData>	[0..1]	Text		932

44.1.8.7.1 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identifies the specific occurrence of trip leg data.

Datatype: "Max35NumericText" on page 1539

44.1.8.7.2 Ticket <Tckt>

Presence: [0..1]

Definition: Details of the ticket.

Ticket <Tckt> contains the following **Ticket1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TicketNumber <TcktNb>	[0..1]	Text		923
	TicketIssuer <TcktIssr>	[0..1]	±		923
	TicketIssueDate <TcktIssDt>	[0..1]	Date		924
	TicketIssueLocation <TcktIssLctn>	[0..1]	Text		924
	ConjunctionTicketNumber <CnjctnTcktNb>	[0..1]	Text		924
	RestrictedTicketIndicator <RstrctdTcktInd>	[0..1]	Indicator		924
	OpenTicketIndicator <OpnTcktInd>	[0..1]	Indicator		924
	Restrictions <Rstrctns>	[0..1]	Text		924
	ExchangedTicketIndicator <XchgdtTcktInd>	[0..1]	Indicator		925
	ExchangedTicketNumber <XchgdtTcktNb>	[0..1]	Text		925
	RecordLocatorNumber <RcrdLctrNb>	[0..1]	Text		925
	Reservation <Rsvatn>	[0..1]			925
	System <Sys>	[0..1]	Text		925
	ReservationNumber <RsvatnNb>	[0..1]	Text		925
	OriginalSystem <OrgnlSys>	[0..1]	Text		926
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		926

44.1.8.7.2.1 TicketNumber <TcktNb>

Presence: [0..1]

Definition: Contains the ticket number.

Datatype: "Max35Text" on page 1539

44.1.8.7.2.2 TicketIssuer <TcktIssr>

Presence: [0..1]

Definition: Name of the issuing ticket agent.

TicketIssuer <TcktIssr> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.8.7.2.3 TicketIssueDate <TcktlssDt>

Presence: [0..1]

Definition: Date the ticket was issued.

Datatype: "ISODate" on page 1530

44.1.8.7.2.4 TicketIssueLocation <TcktlssLctn>

Presence: [0..1]

Definition: Location where ticket was issued.

Datatype: "Max140Text" on page 1536

44.1.8.7.2.5 ConjunctionTicketNumber <CnjctnTcktNb>

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 1539

44.1.8.7.2.6 RestrictedTicketIndicator <RstrctdTcktInd>

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 1530):

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

44.1.8.7.2.7 OpenTicketIndicator <OpnTcktInd>

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 1530):

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

44.1.8.7.2.8 Restrictions <Rstrctns>

Presence: [0..1]

Definition: Contains the specific restriction applicable to the ticket.

Datatype: "Max70Text" on page 1541

44.1.8.7.2.9 ExchangedTicketIndicator <XchgdtcktInd>

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 1530):

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

44.1.8.7.2.10 ExchangedTicketNumber <XchgdtcktNb>

Presence: [0..1]

Definition: Contains the original ticket number that was replaced by the new ticket number.

Datatype: "Max35Text" on page 1539

44.1.8.7.2.11 RecordLocatorNumber <RcrdLctrNb>

Presence: [0..1]

Definition: Ticket record locator number.

Datatype: "Max35Text" on page 1539

44.1.8.7.2.12 Reservation <Rsvatn>

Presence: [0..1]

Definition: Reservation number or identifier.

Reservation <Rsvatn> contains the following **ReservationDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	System <Sys>	[0..1]	Text		925
	ReservationNumber <RsvatnNb>	[0..1]	Text		925
	OriginalSystem <OrgnlSys>	[0..1]	Text		926
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		926

44.1.8.7.2.12.1 System <Sys>

Presence: [0..1]

Definition: Computerised reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 1540

44.1.8.7.2.12.2 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 1539

44.1.8.7.2.12.3 OriginalSystem <OrgnlSys>

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 1540

44.1.8.7.2.12.4 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 1539

44.1.8.7.3 Document <Doc>

Presence: [0..*]

Definition: Provides the document type and reference information.

Document <Doc> contains the following **DocumentReference1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		926
	Reference <Ref>	[0..1]	Text		926

44.1.8.7.3.1 Type <Tp>

Presence: [0..1]

Definition: Describes the type of document.

Datatype: "Max35Text" on page 1539

44.1.8.7.3.2 Reference <Ref>

Presence: [0..1]

Definition: Reference is a free-form text field containing customer reference information (for example, a document number).

Datatype: "Max70Text" on page 1541

44.1.8.7.4 ProcedureReference <PrcdrRef>

Presence: [0..1]

Definition: Contains identification of the rail server procedure or the order in which service was booked or cancellation was done.

Datatype: "Max35Text" on page 1539

44.1.8.7.5 TransportType <TrnsprtTp>

Presence: [0..1]

Definition: Type of transportation.

Datatype: "TransportType1Code" on page 1522

CodeName	Name	Definition
AIRR	Air	Air
BUSS	Bus	Bus
OTHN	OtherNational	Other National
OTHP	OtherPrivate	Other Private
RAIL	Rail	Rail
SHIP	Ship	Ship

44.1.8.7.6 OtherTransportType <OthrTrnsprtTp>

Presence: [0..1]

Definition: Other type of transportation.

Datatype: "Max35Text" on page 1539

44.1.8.7.7 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 1540

44.1.8.7.8 Carrier <Crrier>

Presence: [0..1]

Definition: Identification of transportation carrier.

Carrier <Crrier> contains the following **CarrierIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		927
	Code <Cd>	[0..1]	Text		927
	IATACode <IATACd>	[0..1]	Text		928

44.1.8.7.8.1 Name <Nm>

Presence: [0..1]

Definition: Name of the transportation carrier.

Datatype: "Max70Text" on page 1541

44.1.8.7.8.2 Code <Cd>

Presence: [0..1]

Definition: Identifies the operator (company providing service).

Datatype: "Max35Text" on page 1539

44.1.8.7.8.3 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 1539

44.1.8.7.9 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 1539

44.1.8.7.10 ServiceClass <SvcClss>

Presence: [0..1]

Definition: Indicates the service class (for example, coach or first class).

Datatype: "Max35Text" on page 1539

44.1.8.7.11 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure location, date and time.

Departure <Dprture> contains the following elements (see "DepartureOrArrival1" on page 1122 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1122
	Description <Desc>	[0..1]	Text		1122
	Date <Dt>	[0..1]	Date		1122
	Time <Tm>	[0..1]	Time		1122

44.1.8.7.12 Arrival <Arrvl>

Presence: [0..1]

Definition: Contains arrival location, date and time.

Arrival <Arrvl> contains the following elements (see "DepartureOrArrival1" on page 1122 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1122
	Description <Desc>	[0..1]	Text		1122
	Date <Dt>	[0..1]	Date		1122
	Time <Tm>	[0..1]	Time		1122

44.1.8.7.13 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: "Max4NumericText" on page 1540

44.1.8.7.14 StopOverIndicator <StopOverInd>

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 1530):

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

44.1.8.7.15 NonDirectRouteCode <NonDrctRouteCd>

Presence: [0..1]

Definition: Indicates a non-direct route between the origin and the destination.

Datatype: "Max35Text" on page 1539

44.1.8.7.16 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 1539

44.1.8.7.17 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 1530):

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

44.1.8.7.18 TripLegAmount <TripLegAmt>

Presence: [0..*]

Definition: Contains trip leg amount information.

TripLegAmount <TripLegAmt> contains the following **AmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		930
	OtherType <OthrTp>	[0..1]	Text		930
	Amount <Amt>	[1..1]	Amount		931
	CreditIndicator <CdtInd>	[0..1]	Indicator		931
	Tax <Tax>	[0..*]	±		931

44.1.8.7.18.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee.

Datatype: "TypeOfAmount18Code" on page 1524

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
BAGG	Baggage	Baggage related fees
CHTC	ChargedToCard	Amount that has been charged to card account
DATA	Data	Data communication related charges
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)
FARE	Fare	Amount of fare
INSU	Insurance	Insurance charges
FDBV	FoodBeverage	Amount of food and beverages
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)

44.1.8.7.18.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Description of other type of amount or fee.

Datatype: ["Max35Text" on page 1539](#)

44.1.8.7.18.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: ["ImpliedCurrencyAndAmount" on page 1451](#)

44.1.8.7.18.4 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.8.7.18.5 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see ["Tax33" on page 1431](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.7.19 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 1539](#)

44.1.8.7.20 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 1539](#)

44.1.8.7.21 LoyaltyProgramme <LltyPrgrmm>

Presence: [0..1]

Definition: Loyalty programme details.

LoyaltyProgramme <LltyPrgrmm> contains the following elements (see "[LoyaltyProgramme2](#)" on page 1021 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <Prgmld>	[0..1]	Text		1022
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1022

44.1.8.7.22 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the transportation.

Datatype: "[Max350Text](#)" on page 1538

44.1.8.8 TravelAgencyPackage1

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		932
	TravelPackageType <TrvlPackgTp>	[0..1]	Text		933
	NumberInParty <NbInPty>	[0..1]	Text		933
	CustomerReference <CstmrRef>	[0..*]			933
	Identification <Id>	[0..1]	Text		933
	Detail <Dtl>	[0..1]	Text		933
	DataSource <DataSrc>	[0..1]	Text		933
	DeliveryOrderNumber <DlvryOrdrNb>	[0..1]	Text		933
	CreditCardSlipNumber <CdtCardSlipNb>	[0..1]	Text		934
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		934
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		934
	Fee <Fee>	[0..1]	Amount		934

44.1.8.8.1 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Reservation number or identifier.

Datatype: "[Max35Text](#)" on page 1539

44.1.8.8.2 TravelPackageType <TrvlPackgTp>

Presence: [0..1]

Definition: Describes the type of travel offering provided by the travel agency or partner.

Datatype: "Max70Text" on page 1541

44.1.8.8.3 NumberInParty <NbInPty>

Presence: [0..1]

Definition: Number of people included in the travel arrangements.

Datatype: "Max10NumericText" on page 1535

44.1.8.8.4 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		933
	Detail <Dtl>	[0..1]	Text		933

44.1.8.8.4.1 Identification <Id>

Presence: [0..1]

Definition: Defines the content of the value provided in the Customer Reference detail.

Datatype: "Max35Text" on page 1539

44.1.8.8.4.2 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 1541

44.1.8.8.5 DataSource <DataSrc>

Presence: [0..1]

Definition: Indicates the source of enhanced data that is matched to the transaction.

Datatype: "Max35Text" on page 1539

44.1.8.8.6 DeliveryOrderNumber <DlvryOrdNb>

Presence: [0..1]

Definition: Contains a customer invoice number for a rail sale to a corporate account.

Datatype: "Max35Text" on page 1539

44.1.8.8.7 CreditCardSlipNumber <CdtCardSlipNb>

Presence: [0..1]

Definition: Contains a slip number from the credit card slip.

Datatype: "Max35Text" on page 1539

44.1.8.8.8 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 1530):

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

44.1.8.8.9 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.8.10 Fee <Fee>

Presence: [0..1]

Definition: Travel agency fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.9 TravelAgency2

Definition: Travel agency component provides details of travel agency, airline, or railway transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Company <Cpny>	[0..1]	±		934
	TravelPackage <TrvlPackg>	[0..*]	±		935
	AdditionalData <AddtlData>	[0..1]	Text		935

44.1.8.9.1 Company <Cpny>

Presence: [0..1]

Definition: Information describing the travel agency or party providing travel-related services.

Company <Cpny> contains the following elements (see ["PartyIdentification207"](#) on page 1237 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Code <Cd>	[0..1]	Text		1237
	Assigner <Assgnr>	[0..1]	Text		1237
	IATACode <IATACd>	[0..1]	Text		1237
	Name <Nm>	[0..1]	Text		1238
	ShortName <ShrtNm>	[0..1]	Text		1238
	Address <Adr>	[0..1]	±		1238
	Contact <Ctct>	[0..1]	±		1238

44.1.8.9.2 TravelPackage <TrvlPackg>

Presence: [0..*]

Definition: Provides detailed information about the travel package, excluding specific itinerary data.

TravelPackage <TrvlPackg> contains the following elements (see ["TravelAgencyPackage1"](#) on page 932 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReservationNumber <RsvatnNb>	[0..1]	Text		932
	TravelPackageType <TrvlPackgTp>	[0..1]	Text		933
	NumberInParty <NbInPty>	[0..1]	Text		933
	CustomerReference <CstmrRef>	[0..*]			933
	Identification <Id>	[0..1]	Text		933
	Detail <Dtl>	[0..1]	Text		933
	DataSource <DataSrc>	[0..1]	Text		933
	DeliveryOrderNumber <DlvryOrdNb>	[0..1]	Text		933
	CreditCardSlipNumber <CdtCardSlipNb>	[0..1]	Text		934
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		934
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		934
	Fee <Fee>	[0..1]	Amount		934

44.1.8.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Provides additional travel details.

Datatype: ["Max350Text"](#) on page 1538

44.1.8.10 TransactionContext4

Definition: Context of the card payment transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		936
	DeferredDeliveryIndicator <DfrdDlvryInd>	[0..1]	Indicator		936
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		936
	CardProgramme <CardPrgrmm>	[0..1]	±		937
	SettlementService <SttlmSvc>	[0..1]	±		937
	Reconciliation <Rcncltn>	[0..1]	±		938
	CaptureDate <CaptrDt>	[0..1]	Date		939

44.1.8.10.1 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction.

ISO 8583:87 bit 18, ISO 8583:93 bit 18 & 26, ISO 8583:2003 bit 26

ISO 18245

Datatype: "Exact4NumericText" on page 1534

44.1.8.10.2 DeferredDeliveryIndicator <DfrdDlvryInd>

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 1530):

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

44.1.8.10.3 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 1522

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

44.1.8.10.4 CardProgramme <CardPrgrmm>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

CardProgramme <CardPrgrmm> contains the following elements (see "[CardProgramme1](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]			880
	Type <Tp>	[0..1]	Text		881
	Identification <Id>	[1..*]	Text		881
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		881

44.1.8.10.5 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "SettlementService1" on page 1393 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <SttlmSvcPropsd>	[0..1]			1394
	Type <Tp>	[0..1]	Text		1394
	Identification <Id>	[0..1]	Text		1395
	ShortName <ShrtNm>	[0..1]	Text		1395
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1395
	SettlementServiceApplied <SttlmSvcApld>	[0..1]			1395
	Type <Tp>	[0..1]	Text		1395
	Identification <Id>	[0..1]	Text		1396
	ShortName <ShrtNm>	[0..1]	Text		1396
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1396
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1396
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1396
	SettlementDate <SttlmDt>	[0..1]	Date		1396
	SettlementTime <SttlmTm>	[0..1]	Time		1397
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1397
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1397
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1397
	Type <Tp>	[0..1]	Text		1397
	Identification <Id>	[0..1]	Text		1397

44.1.8.10.6 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 "Reconciliation3" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

44.1.8.10.7 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

ISO 8583 bit 17

Datatype: "ISODate" on page 1530

44.1.8.11 TransactionContext3

Definition: Context of the card payment transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[0..1]	Text		939
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		939
	CardProgrammeApplied <CardPrgrmmApld>	[0..1]	±		939
	SettlementService <SttlmSvc>	[0..1]	±		940
	Reconciliation <Rcncltn>	[0..1]	±		940

44.1.8.11.1 MerchantCategoryCode <MrchntCtgyCd>

Presence: [0..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction.

ISO 8583:87 bit 18, ISO 8583:93 bit 18 & 26, ISO 8583:2003 bit 26

ISO 18245

Datatype: "Exact4NumericText" on page 1534

44.1.8.11.2 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: "TransactionInitiator1Code" on page 1522

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

44.1.8.11.3 CardProgrammeApplied <CardPrgrmmApld>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

ISO 8583:87 bit 24

CardProgrammeApplied <CardPrgrmmApId> contains the following elements (see "CardProgrammeMode1" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		880
	Identification <Id>	[1..1]	Text		880

44.1.8.11.4 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "SettlementService2" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <SttlmSvcApId>	[0..1]			1398
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1399
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1400
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

44.1.8.11.5 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 "Reconciliation3" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

44.1.8.12 TransactionContext1

Definition: Context of the card payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <Txlnitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

44.1.8.12.1 MerchantCategoryCode <MrchntCtgyCd>

Presence: [1..1]

Definition: Category code related to the type of services or goods the merchant provides for the transaction.

ISO 8583:87 bit 18, ISO 8583:93 bit 18 & 26, ISO 8583:2003 bit 26

ISO 18245

Datatype: "Exact4NumericText" on page 1534

44.1.8.12.2 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 1539

44.1.8.12.3 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 1530):

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

44.1.8.12.4 ICCFallbackIndicator <ICCFIlbckInd>

Presence: [0..1]

Definition: Indicates a chip data fallback.

True: Fallback

False: No fallback

Default: False

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.12.5 MagneticStripeFallbackIndicator <MgntcStrpFIlbckInd>

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 1530):

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

44.1.8.12.6 LatePresentmentIndicator <LatePresntmntInd>

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 1530](#)):

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

44.1.8.12.7 FinalAuthorisationIndicator <FnlAuthstnInd>

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 1530](#)):

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

44.1.8.12.8 DeferredDeliveryIndicator <DfrdDlvryInd>

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 1530](#)):

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

44.1.8.12.9 TransactionInitiator <TxInitr>

Presence: [0..1]

Definition: Identifies the transaction initiator.

Datatype: ["TransactionInitiator1Code" on page 1522](#)

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

44.1.8.12.10 CardProgramme <CardPrgrmm>

Presence: [0..1]

Definition: Card programme or brand related to the transaction.

CardProgramme <CardPrgrmm> contains the following elements (see "[CardProgramme1](#)" on page 880 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardProgrammeProposed <CardPrgrmmPropsd>	[0..*]			880
	Type <Tp>	[0..1]	Text		881
	Identification <Id>	[1..*]	Text		881
	CardProgrammeApplied <CardPrgrmmApId>	[0..1]	±		881

44.1.8.12.11 SettlementService <SttlmSvc>

Presence: [0..1]

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

SettlementService <SttlmSvc> contains the following elements (see "[SettlementService1](#)" on page 1393 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <SttlmSvcPropsd>	[0..1]			1394
	Type <Tp>	[0..1]	Text		1394
	Identification <Id>	[0..1]	Text		1395
	ShortName <ShrtNm>	[0..1]	Text		1395
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1395
	SettlementServiceApplied <SttlmSvcApId>	[0..1]			1395
	Type <Tp>	[0..1]	Text		1395
	Identification <Id>	[0..1]	Text		1396
	ShortName <ShrtNm>	[0..1]	Text		1396
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1396
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1396
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1396
	SettlementDate <SttlmDt>	[0..1]	Date		1396
	SettlementTime <SttlmTm>	[0..1]	Time		1397
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1397
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1397
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1397
	Type <Tp>	[0..1]	Text		1397
	Identification <Id>	[0..1]	Text		1397

44.1.8.12.12 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 "[Reconciliation3](#)" on page 1283 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

44.1.8.12.13 CaptureDate <CaptrDt>

Presence: [0..1]

Definition: Date the transaction was completed and captured.

ISO 8583 bit 17

Datatype: "[ISODate](#)" on page 1530

44.1.8.13 Transaction85

Definition: Contains transaction details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionType <TxTp>	[0..1]	Text		946
	TransactionSubType <TxSubTp>	[0..1]	Text		946
	AdditionalService <AddtlSvc>	[0..*]	±		947
	TransactionAttribute <TxAttr>	[0..1]	CodeSet		947
	OtherTransactionAttribute <OthrTxAttr>	[0..1]	Text		948
	MessageReason <MsgRsn>	[0..*]	Text		948
	AlternateMessageReason <AltrnMsgRsn>	[0..*]	Text		948
	PreAuthorisationTimeLimit <PreAuthstnTmLmt>	[0..1]	Text		948
	AssociatedDataReference <AssocdtdDataRef>	[0..1]	Text		948
	SpecialProgrammeQualification <SpclPrgrmmQlfctn>	[0..*]	±		948
	TransactionIdentification <TxId>	[0..1]	±		949
	DisputeData <DsptData>	[0..*]	±		949
	TransactionAmounts <TxAmts>	[0..1]	±		950
	AdditionalAmounts <AddtlAmts>	[0..*]	±		950
	AdditionalFees <AddtlFees>	[0..*]	±		951
	OriginalAdditionalFees <OrgnlAddtlFees>	[0..*]	±		951
	DepositDetails <DpstDtls>	[0..*]	±		952
	FundsServices <FndsSvcs>	[0..1]	±		952
	AccountFrom <AcctFr>	[0..1]	±		952
	AccountTo <AcctTo>	[0..1]	±		952
	TransactionDescription <TxDesc>	[0..1]	Text		953
	AdditionalData <AddtlData>	[0..*]			953
	Type <Tp>	[0..1]	Text		953
	Value <Val>	[0..1]	Text		953

44.1.8.13.1 TransactionType <TxTp>

Presence: [0..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.8.13.2 TransactionSubType <TxSubTp>

Presence: [0..1]

Definition: Provides further granularity of purpose of TransactionType

Datatype: "Max35Text" on page 1539

44.1.8.13.3 AdditionalService <AddtlSvc>

Presence: [0..*]

Definition: Additional functions or services to be performed in conjunction with the transaction.

AdditionalService <AddtlSvc> contains the following elements (see "AdditionalService1" on page 1131 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1131
	OtherType <OthrTp>	[0..1]	Text		1131

44.1.8.13.4 TransactionAttribute <TxAttr>

Presence: [0..1]

Definition: Attribute of the transaction.

ISO 8583:87 bit 25

ISO 8583:2003 bit 22-3 & bit 24

Datatype: "TransactionAttribute1Code" on page 1521

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.

CodeName	Name	Definition
PACP	PreAuthorisationCompletion	Financial completion of a pre-authorised transaction within a specified timeframe.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

44.1.8.13.5 OtherTransactionAttribute <OthrTxAttr>

Presence: [0..1]

Definition: Other transaction attribute defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.8.13.6 MessageReason <MsgRsn>

Presence: [0..*]

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25

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

Datatype: "Exact4NumericText" on page 1534

44.1.8.13.7 AlternateMessageReason <AltrnMsgRsn>

Presence: [0..*]

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

Datatype: "Max35Text" on page 1539

44.1.8.13.8 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 1541

44.1.8.13.9 AssociatedDataReference <AssoctdDataRef>

Presence: [0..1]

Definition: Reference to additional transaction details to be conveyed separately from this message.

Datatype: "Max70Text" on page 1541

44.1.8.13.10 SpecialProgrammeQualification <SpclPrgrmmQlfcnt>

Presence: [0..*]

Definition: Data to qualify for incentive or other related programmes.

SpecialProgrammeQualification <SpclPrgrmmQlfcnt> contains the following elements (see "SpecialProgrammeQualification1" on page 967 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

44.1.8.13.11 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentification11" on page 1304 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

44.1.8.13.12 DisputeData <DsptData>

Presence: [0..*]

Definition: Information about the dispute.

DisputeData <DsptData> contains the following elements (see "DisputeData1" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

44.1.8.13.13 TransactionAmounts <TxAmts>

Presence: [0..1]

Definition: Amounts of the card transaction.

TransactionAmounts <TxAmts> contains the following elements (see "TransactionAmounts1" on page 843 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountQualifier <AmtQlfr>	[0..1]	CodeSet		844
	TransactionAmount <TxAmt>	[0..1]	±		844
	CardholderBillingAmount <CrdrhldrBllgAmt>	[0..1]	±		844
	ReconciliationAmount <RcncltnAmt>	[0..1]	±		845
	DetailedAmount <DtldAmt>	[0..*]	±		845
	OriginalTransactionAmounts <OrgnlTxAmts>	[0..1]	±		846

44.1.8.13.14 AdditionalAmounts <AddtlAmts>

Presence: [0..*]

Definition: Amounts that are not part of the transaction amount and not included in reconciliation.

ISO 8583 bit 54

AdditionalAmounts <AddtlAmts> contains the following elements (see "[AdditionalAmounts1](#)" on page 842 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		842
	OtherType <OthrTp>	[0..1]	Text		843
	Amount <Amt>	[1..1]	±		843
	Label <Lbl>	[0..1]	Text		843

44.1.8.13.15 AdditionalFees <AddtlFees>

Presence: [0..*]

Definition: Fees not included in the transaction amount.

AdditionalFees <AddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

44.1.8.13.16 OriginalAdditionalFees <OrgnlAddtlFees>

Presence: [0..*]

Definition: Fees not included in the original transaction amount.

OriginalAdditionalFees <OrgnlAddtlFees> contains the following elements (see "[AdditionalFee1](#)" on page 861 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		862
	OtherType <OthrTp>	[0..1]	Text		862
	FeeProgram <FeePrgm>	[0..1]	Text		862
	FeeDescriptor <FeeDscrptr>	[0..1]	Text		862
	Amount <Amt>	[1..1]	±		862
	Label <Lbl>	[0..1]	Text		863

44.1.8.13.17 DepositDetails <DpstDtls>*Presence:* [0..*]*Definition:* Contains ATM deposit details.**DepositDetails <DpstDtls>** contains the following elements (see "[DepositDetails1](#)" on page 1136 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1136
	OtherType <OthrTp>	[0..1]	Text		1136
	Amount <Amt>	[0..1]	±		1136

44.1.8.13.18 FundsServices <FndsSvcs>*Presence:* [0..1]*Definition:* Financial services related to the account.**FundsServices <FndsSvcs>** contains the following elements (see "[FundingService1](#)" on page 1313 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

44.1.8.13.19 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 "[AccountDetails2](#)" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

44.1.8.13.20 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 "AccountDetails2" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountName <AcctNm>	[0..1]	Text		838
	AccountType <AcctTp>	[0..1]	Text		838
	AccountIdentification <AcctId>	[0..1]	Text		838

44.1.8.13.21 TransactionDescription <TxDesc>

Presence: [0..1]

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

Datatype: "Max1000Text" on page 1534

44.1.8.13.22 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		953
	Value <Val>	[0..1]	Text		953

44.1.8.13.22.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.8.13.22.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.8.14 TemporaryServicesJob1

Definition: Contains the details of the job or task of the individual working in a temporary capacity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	JobCode <JobCd>	[0..1]	Text		954
	Description <Desc>	[0..1]	Text		954
	StartDate <StartDt>	[0..1]	Date		954
	Duration <Drtn>	[0..1]	Text		954
	EndDate <EndDt>	[0..1]	Date		954

44.1.8.14.1 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 1539

44.1.8.14.2 Description <Desc>

Presence: [0..1]

Definition: Contains the description of the job or task of the individual working in a temporary capacity.

Datatype: "Max256Text" on page 1538

44.1.8.14.3 StartDate <StartDt>

Presence: [0..1]

Definition: Contains the start date of the job.

Datatype: "ISODate" on page 1530

44.1.8.14.4 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the job expressed in number of days.

Datatype: "Max5NumericText" on page 1540

44.1.8.14.5 EndDate <EndDt>

Presence: [0..1]

Definition: Contains the end date of the job.

Datatype: "ISODate" on page 1530

44.1.8.15 TemporaryServicesCompany1

Definition: Contains company related information for Temporary Services.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		955
	Department <Dept>	[0..1]	Text		955
	Identification <Id>	[0..1]	±		955
	Supervisor <Sprvsr>	[0..1]	Text		955

44.1.8.15.1 Name <Nm>

Presence: [0..1]

Definition: Contains the name of the individual at the contracting company that has requested temporary services.

Datatype: "Max70Text" on page 1541

44.1.8.15.2 Department <Dept>

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 1541

44.1.8.15.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the temporary services company.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.8.15.4 Supervisor <Sprvsr>

Presence: [0..1]

Definition: Contains the name of the individual at the contracting company that is supervising the temporary staff.

Datatype: "Max70Text" on page 1541

44.1.8.16 TemporaryServices1

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
	ContractingCompany <CtrctgCpny>	[0..1]	±		956
	TemporaryEmployee <TempMplyee>	[0..1]	±		956
	Job <Job>	[0..1]	±		957
	FlatRateIndicator <FlatRateInd>	[0..1]	Indicator		957
	DiscountAmount <DscntAmt>	[0..1]	Amount		957
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		957
	Labor <Labr>	[0..1]			958
	TimeSheetNumber <TmSheetNb>	[0..1]	Text		958
	WeekEnding <WkEndg>	[0..1]	Text		958
	Charge <Chrg>	[0..*]			958
	Type <Tp>	[0..1]	CodeSet		958
	OtherType <OthrTp>	[0..1]	Text		959
	Rate <Rate>	[0..1]	Amount		959
	Hours <Hrs>	[0..1]	Text		959
	MiscellaneousExpenses <MiscExpnss>	[0..*]	±		959
	SubtotalAmount <SbttlAmt>	[0..1]	Amount		960
	Tax <Tax>	[0..*]	±		960
	AdditionalData <AddtlData>	[0..1]	Text		960

44.1.8.16.1 ContractingCompany <CtrctgCpny>

Presence: [0..1]

Definition: Contains the details of the contracting company that has requested temporary services.

ContractingCompany <CtrctgCpny> contains the following elements (see "TemporaryServicesCompany1" on page 954 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		955
	Department <Dept>	[0..1]	Text		955
	Identification <Id>	[0..1]	±		955
	Supervisor <Sprvsr>	[0..1]	Text		955

44.1.8.16.2 TemporaryEmployee <TempMplyee>

Presence: [0..1]

Definition: Contains information about the individual working in a temporary capacity.

TemporaryEmployee <TempMplyee> contains the following elements (see "[PartyIdentification210](#)" on page 1232 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PersonalIdentification <PrsnlId>	[0..1]	Text		1232
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1232
	Name <Nm>	[0..1]	Text		1232
	ProfessionalLevel <PrfssnlLvl>	[0..1]	Text		1232

44.1.8.16.3 Job <Job>

Presence: [0..1]

Definition: Contains the details of the job or task of the individual working in a temporary capacity.

Job <Job> contains the following elements (see "[TemporaryServicesJob1](#)" on page 953 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	JobCode <JobCd>	[0..1]	Text		954
	Description <Desc>	[0..1]	Text		954
	StartDate <StartDt>	[0..1]	Date		954
	Duration <Drtn>	[0..1]	Text		954
	EndDate <EndDt>	[0..1]	Date		954

44.1.8.16.4 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 1530):

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

44.1.8.16.5 DiscountAmount <DscntAmt>

Presence: [0..1]

Definition: Contains the discount amount.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1451

44.1.8.16.6 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 1539

44.1.8.16.7 Labor <Labr>

Presence: [0..1]

Definition: Contains the details of the labour performed and associated duration and billing rate.

Labor <Labr> contains the following **TemporaryServicesLabor1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TimeSheetNumber <TmSheetNb>	[0..1]	Text		958
	WeekEnding <WkEndg>	[0..1]	Text		958
	Charge <Chrg>	[0..*]			958
	Type <Tp>	[0..1]	CodeSet		958
	OtherType <OthrTp>	[0..1]	Text		959
	Rate <Rate>	[0..1]	Amount		959
	Hours <Hrs>	[0..1]	Text		959

44.1.8.16.7.1 TimeSheetNumber <TmSheetNb>

Presence: [0..1]

Definition: Contains the time sheet identification number.

Datatype: "Max35Text" on page 1539

44.1.8.16.7.2 WeekEnding <WkEndg>

Presence: [0..1]

Definition: Contains the date of the end of the billing cycle.

Datatype: "Max10NumericText" on page 1535

44.1.8.16.7.3 Charge <Chrg>

Presence: [0..*]

Definition: Contains details of the amount charged.

Charge <Chrg> contains the following **Amount12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		958
	OtherType <OthrTp>	[0..1]	Text		959
	Rate <Rate>	[0..1]	Amount		959
	Hours <Hrs>	[0..1]	Text		959

44.1.8.16.7.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of hours worked.

Datatype: "TemporaryServicesCharge1Code" on page 1520

CodeName	Name	Definition
WKND	Weekend	Weekend
REGL	Regular	Regular
OVRT	Overtime	Overtime
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
ONCL	OnCall	On call
NITE	Night	Night
HOLI	Holiday	Holiday
HAZD	Hazard	Hazard

44.1.8.16.7.3.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of hours worked.

Datatype: "Max35Text" on page 1539

44.1.8.16.7.3.3 Rate <Rate>

Presence: [0..1]

Definition: Contains the rate per hour.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.16.7.3.4 Hours <Hrs>

Presence: [0..1]

Definition: Contains the number of hours worked.

Datatype: "Max6NumericText" on page 1541

44.1.8.16.8 MiscellaneousExpenses <MiscExpnss>

Presence: [0..*]

Definition: Contains miscellaneous expense details.

MiscellaneousExpenses <MiscExpnss> contains the following elements (see "Amount13" on page 858 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		859
	Description <Desc>	[0..1]	Text		859
	Amount <Amt>	[1..1]	Amount		859

44.1.8.16.9 SubtotalAmount <SbttlAmt>

Presence: [0..1]

Definition: Subtotal amount exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.16.10 Tax <Tax>

Presence: [0..*]

Definition: Contains the amount of taxes assessed for temporary services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.16.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the temporary services.

Datatype: "Max350Text" on page 1538

44.1.8.17 TelecomServicesSummary1

Definition: Telecom services summary component carries summary level telephony billing data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Customer <Cstmr>	[0..1]	±		960
	BillingStatementPeriodStart <BllgStmntPrdStart>	[0..1]	Date		961
	BillingStatementPeriodEnd <BllgStmntPrdEnd>	[0..1]	Date		961
	BillingEvent <BllgEvt>	[0..*]	±		961
	TotalTax <TtlTax>	[0..*]	±		961
	AdditionalData <AddtlData>	[0..1]	Text		962

44.1.8.17.1 Customer <Cstmr>

Presence: [0..1]

Definition: Contains the details of the customer. Also known as the user of the service.

Customer <Cstmr> contains the following elements (see "[Customer6](#)" on page 1245 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountNumber <AcctNb>	[0..1]	Text		1245
	Name <Nm>	[0..1]	Text		1245
	PhoneNumber <PhneNb>	[0..1]	Text		1245

44.1.8.17.2 BillingStatementPeriodStart <BllgStmntPrdStart>

Presence: [0..1]

Definition: Contains the billing period start date for telecommunication or related services.

Datatype: "[ISODate](#)" on page 1530

44.1.8.17.3 BillingStatementPeriodEnd <BllgStmntPrdEnd>

Presence: [0..1]

Definition: Contains the billing period end date for telecommunication or related services.

Datatype: "[ISODate](#)" on page 1530

44.1.8.17.4 BillingEvent <BllgEvt>

Presence: [0..*]

Definition: Summary of the charges associated with the billing event.

BillingEvent <BllgEvt> contains the following elements (see "[Amount10](#)" on page 860 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Description <Desc>	[0..1]	Text		860
	Amount <Amt>	[1..1]	Amount		861
	CreditIndicator <CdtInd>	[0..1]	Indicator		861
	Tax <Tax>	[0..*]	±		861

44.1.8.17.5 TotalTax <TtlTax>

Presence: [0..*]

Definition: Total of taxes applicable to the billing amount.

TotalTax <TtlTax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.17.6 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the shipment.

Datatype: "Max350Text" on page 1538

44.1.8.18 TelecomServicesLineItem1

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		962
	TimePeriod <TmPrd>	[0..1]	Text		963
	Duration <Drtn>	[0..1]	Time		963
	CallFrom <CallFr>	[0..1]	±		963
	CallTo <CallTo>	[0..1]	±		963
	Charge <Chrg>	[0..*]	±		964
	TotalTax <TtlTax>	[0..*]	±		964
	TotalAmount <TtlAmt>	[0..1]	Amount		965
	Description <Desc>	[0..1]	Text		965
	AdditionalData <AddtlData>	[0..1]	Text		965

44.1.8.18.1 StartDateTime <StartDtTm>

Presence: [0..1]

Definition: Contains the start date and time of the phone call.

Datatype: "ISODate" on page 1530

44.1.8.18.2 TimePeriod <TmPrd>

Presence: [0..1]

Definition: Describes the period (such as peak or off peak) of the phone call.

Datatype: "Max35Text" on page 1539

44.1.8.18.3 Duration <Drtn>

Presence: [0..1]

Definition: Duration of phone call expressed in HHMMSS format.

Datatype: "ISOTime" on page 1543

44.1.8.18.4 CallFrom <CallFr>

Presence: [0..1]

Definition: Contains the location description for the originator of the telephone call and the number from which the call was made.

CallFrom <CallFr> contains the following elements (see "TelecomCallDetails1" on page 966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		966
	OtherType <OthrTp>	[0..1]	Text		967
	PhoneNumber <PhneNb>	[0..1]	Text		967
	City <City>	[0..1]	Text		967
	State <Stat>	[0..1]	Text		967
	Province <Prvc>	[0..1]	Text		967
	Country <Ctry>	[0..1]	Text		967

44.1.8.18.5 CallTo <CallTo>

Presence: [0..1]

Definition: Contains the location description for the destination of the telephone call and the number to which the call was made.

CallTo <CallTo> contains the following elements (see "[TelecomCallDetails1](#)" on page 966 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		966
	OtherType <OthrTp>	[0..1]	Text		967
	PhoneNumber <PhneNb>	[0..1]	Text		967
	City <City>	[0..1]	Text		967
	State <Stat>	[0..1]	Text		967
	Province <Prvc>	[0..1]	Text		967
	Country <Ctry>	[0..1]	Text		967

44.1.8.18.6 Charge <Chrg>

Presence: [0..*]

Definition: Contains the amount pertaining to the telephony billing event.

Charge <Chrg> contains the following elements (see "[Amount11](#)" on page 859 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfCharge <TpOfChrg>	[0..1]	CodeSet		859
	OtherTypeOfCharge <OthrTpOfChrg>	[0..1]	Text		860
	Amount <Amt>	[1..1]	Amount		860
	CreditIndicator <CdtInd>	[0..1]	Indicator		860

44.1.8.18.7 TotalTax <TtlTax>

Presence: [0..*]

Definition: Total of taxes applicable to the billing amount

TotalTax <TtlTax> contains the following elements (see "[Tax33](#)" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.18.8 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount applicable to the billing event.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.18.9 Description <Desc>

Presence: [0..1]

Definition: Description of the telecommunications services line item details

Datatype: "Max256Text" on page 1538

44.1.8.18.10 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the telecommunications services.

Datatype: "Max350Text" on page 1538

44.1.8.19 TelecomServices1

Definition: Telecom services carries telephony billing data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		965
	Lineltm <Lineltm>	[0..*]	±		965

44.1.8.19.1 Summary <Summry>

Presence: [0..1]

Definition: Telecom Services Summary component is designed to carry summary 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.

Summary <Summry> contains the following elements (see "TelecomServicesSummary1" on page 960 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Customer <Cstmr>	[0..1]	±		960
	BillingStatementPeriodStart <BllgStmntPrdStart>	[0..1]	Date		961
	BillingStatementPeriodEnd <BllgStmntPrdEnd>	[0..1]	Date		961
	BillingEvent <BllgEvt>	[0..*]	±		961
	TotalTax <TtlTax>	[0..*]	±		961
	AdditionalData <AddtlData>	[0..1]	Text		962

44.1.8.19.2 Lineltm <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 "TelecomServicesLinItem1" on page 962 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDateTime <StartDtTm>	[0..1]	Date		962
	TimePeriod <TmPrd>	[0..1]	Text		963
	Duration <Drtn>	[0..1]	Time		963
	CallFrom <CallFr>	[0..1]	±		963
	CallTo <CallTo>	[0..1]	±		963
	Charge <Chrg>	[0..*]	±		964
	TotalTax <TtlTax>	[0..*]	±		964
	TotalAmount <TtlAmt>	[0..1]	Amount		965
	Description <Desc>	[0..1]	Text		965
	AdditionalData <AddtlData>	[0..1]	Text		965

44.1.8.20 TelecomCallDetails1

Definition: Structured call details with address.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		966
	OtherType <OthrTp>	[0..1]	Text		967
	PhoneNumber <PhneNb>	[0..1]	Text		967
	City <City>	[0..1]	Text		967
	State <Stat>	[0..1]	Text		967
	Province <Prvc>	[0..1]	Text		967
	Country <Ctry>	[0..1]	Text		967

44.1.8.20.1 Type <Tp>

Presence: [0..1]

Definition: Contains call type values.

Datatype: "TelephonyCallType1Code" on page 1520

CodeName	Name	Definition
VCML	VoiceMail	Voice mail
TFPC	TollFreeCall	Toll free phone call

CodeName	Name	Definition
PAGE	Page	Page
OGPC	OutgoingCall	Outgoing phone call
OTHP	OtherPrivate	Other private
OTHN	OtherNational	Other national
OTCL	Other	Other type of call not elsewhere classified.
ICPC	IncomingCall	Incoming phone call

44.1.8.20.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Contains other call type values.

Datatype: "Max70Text" on page 1541

44.1.8.20.3 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Origination or destination phone number.

Datatype: "PhoneNumber" on page 1543

44.1.8.20.4 City <City>

Presence: [0..1]

Definition: City from which or to which the call was made.

Datatype: "Max35Text" on page 1539

44.1.8.20.5 State <Stat>

Presence: [0..1]

Definition: State from which or to which the call was made.

Datatype: "Max16Text" on page 1536

44.1.8.20.6 Province <Prvc>

Presence: [0..1]

Definition: Province from which or to which the call was made.

Datatype: "Max35Text" on page 1539

44.1.8.20.7 Country <Ctry>

Presence: [0..1]

Definition: Country from which or to which the call was made.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.21 SpecialProgrammeQualification1

Definition: Data to qualify for incentive or other related programmes.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Programme <Prgrmm>	[0..1]	Text		968
	Detail <Dtl>	[0..*]			968
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

44.1.8.21.1 Programme <Prgrmm>

Presence: [0..1]

Definition: Name of special programme.

Datatype: "Max35Text" on page 1539

44.1.8.21.2 Detail <Dtl>

Presence: [0..*]

Definition: Name and value associated with a special programme.

Detail <Dtl> contains the following **SpecialProgrammeDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		968
	Value <Val>	[0..1]	Text		968

44.1.8.21.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the special programme detail.

Datatype: "Max35Text" on page 1539

44.1.8.21.2.2 Value <Val>

Presence: [0..1]

Definition: Special programme detail value.

Datatype: "Max35Text" on page 1539

44.1.8.22 ShippingPackage1

Definition: Contains the details of the package

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackingNumber <TrckgNb>	[0..1]	Text		969
	Supplier <Spplr>	[0..1]	±		969
	PickupTime <PckpTm>	[0..1]	Time		969
	Delivery <Dlvry>	[0..1]	±		970
	Weight <Wght>	[0..1]			970
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		970
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		972
	NumberOfUnits <NbOfUnits>	[0..1]	Amount		972
	Product <Pdct>	[0..*]			972
	ProductCode <PdctCd>	[0..1]	Text		972
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		972
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		973
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		973

44.1.8.22.1 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 1541

44.1.8.22.2 Supplier <Spplr>

Presence: [0..1]

Definition: Supplier or provider of the delivery services.

Supplier <Spplr> contains the following elements (see "PartyIdentification209" on page 1216 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1216
	Identification <Id>	[0..1]	±		1216
	Address <Adr>	[0..1]	±		1217
	Contact <Ctct>	[0..1]	±		1217
	Instructions <Instrs>	[0..1]	Text		1218

44.1.8.22.3 PickupTime <PckpTm>

Presence: [0..1]

Definition: Contains the time the package is picked up.

Datatype: "ISOTime" on page 1543

44.1.8.22.4 Delivery <Dlvry>

Presence: [0..1]

Definition: Delivery information.

Delivery <Dlvry> contains the following elements (see "DeliveryInformation3" on page 1122 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryNoteNumber <DlvryNoteNb>	[0..1]	Text		1123
	Address <Adr>	[0..1]	±		1123
	Contact <Ctct>	[0..1]	±		1123
	Instructions <Instrs>	[0..1]	Text		1124
	Date <Dt>	[0..1]	Date		1124
	Time <Tm>	[0..1]	Time		1124

44.1.8.22.5 Weight <Wght>

Presence: [0..1]

Definition: Weight details.

Weight <Wght> contains the following **UnitOfMeasure1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		970
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		972
	NumberOfUnits <NbOfUnits>	[0..1]	Amount		972

44.1.8.22.5.1 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item being shipped.

Datatype: "UnitOfMeasure1Code" on page 1526

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.

CodeName	Name	Definition
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.
SCMT	SquareCentimetre	Measure of a surface, one centimetre by one centimetre.

CodeName	Name	Definition
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.

44.1.8.22.5.2 OtherUnitOfMeasure <OthrUnitOfMeasr>

Presence: [0..1]

Definition: Other unit of measure.

Datatype: "Max35Text" on page 1539

44.1.8.22.5.3 NumberOfUnits <NbOfUnits>

Presence: [0..1]

Definition: Number of units.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.22.6 Product <Pdct>

Presence: [0..*]

Definition: Contains the product details.

Product <Pdct> contains the following **Product7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductCode <PdctCd>	[0..1]	Text		972
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		972

44.1.8.22.6.1 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1541

44.1.8.22.6.2 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 1539

44.1.8.22.7 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 1530):

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

44.1.8.22.8 InsuranceAmount <InsrncAmt>*Presence:* [0..1]*Definition:* Amount of insurance.*Datatype:* ["ImpliedCurrencyAndAmount"](#) on page 1451**44.1.8.23 ShippingData1***Definition:* Shipping or Courier Service delivery.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvcNb>	[0..1]	Text		973
	InvoiceCreationDateTime <InvcCreDtTm>	[0..1]	DateTime		973
	ServiceDescriptorCode <SvcDscrptrCd>	[0..1]	Text		974
	IncentiveAmount <IncntivAmt>	[0..1]	Amount		974
	MiscellaneousExpenses <MiscExpnss>	[0..1]	Amount		974
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		974
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		974
	NetAmount <NetAmt>	[0..1]	Amount		974
	Tax <Tax>	[0..*]	±		974
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		975
	NumberOfPackages <NbOfPackgs>	[0..1]	Text		975
	Package <Packg>	[0..*]	±		975
	AdditionalData <AddtlData>	[0..1]	Text		976

44.1.8.23.1 InvoiceNumber <InvcNb>*Presence:* [0..1]*Definition:* Contains the invoice number.*Datatype:* ["Max70Text"](#) on page 1541**44.1.8.23.2 InvoiceCreationDateTime <InvcCreDtTm>***Presence:* [0..1]

Definition: Contains the date and time the electronic invoice was created.

Datatype: "ISODateTime" on page 1530

44.1.8.23.3 ServiceDescriptorCode <SvcDscrptrCd>

Presence: [0..1]

Definition: Contains a card acceptor designated code for the shipping service provided.

Datatype: "Max40Text" on page 1539

44.1.8.23.4 IncentiveAmount <IncntivAmt>

Presence: [0..1]

Definition: Contains the amount of any incentives applied to the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.23.5 MiscellaneousExpenses <MiscExpnss>

Presence: [0..1]

Definition: Contains the amount of any miscellaneous expenses applicable to the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.23.6 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 1530):

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

44.1.8.23.7 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Amount of insurance.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.23.8 NetAmount <NetAmt>

Presence: [0..1]

Definition: Contains the net amount of shipping expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.23.9 Tax <Tax>

Presence: [0..*]

Definition: Contains the total tax amount for the entire purchase.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.23.10 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 1539

44.1.8.23.11 NumberOfPackages <NbOfPackgs>

Presence: [0..1]

Definition: Contains the total number of packages being shipped or sent by the service provider.

Datatype: "Max6NumericText" on page 1541

44.1.8.23.12 Package <Packg>

Presence: [0..*]

Definition: Contains the details of the package being shipped.

Package <Packg> contains the following elements (see "[ShippingPackage1](#)" on page 968 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TrackingNumber <TrckgNb>	[0..1]	Text		969
	Supplier <Spplr>	[0..1]	±		969
	PickupTime <PckpTm>	[0..1]	Time		969
	Delivery <Dlvry>	[0..1]	±		970
	Weight <Wght>	[0..1]			970
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		970
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		972
	NumberOfUnits <NbOfUnits>	[0..1]	Amount		972
	Product <Pdct>	[0..*]			972
	ProductCode <PdctCd>	[0..1]	Text		972
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		972
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		973
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		973

44.1.8.23.13 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional shipping data.

Datatype: "[Max350Text](#)" on page 1538

44.1.8.24 SaleSummary1

Definition: Summary information about the sale

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		977
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		977
	Adjustment <Adjstmnt>	[0..*]			977
	Type <Tp>	[0..1]	Text		978
	AdditionalType <AddtlTp>	[0..1]	Text		978
	Description <Desc>	[0..1]	Text		978
	Reason <Rsn>	[0..1]	Text		978
	PromotionCode <Prmtncd>	[0..1]	Text		978
	Percentage <Pctg>	[0..1]	Rate		978
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		979
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		979

44.1.8.24.1 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 1539

44.1.8.24.2 LoyaltyProgramme <LtyPrgrmm>

Presence: [0..1]

Definition: Contains loyalty programme information.

LoyaltyProgramme <LtyPrgrmm> contains the following elements (see "[LoyaltyProgramme2](#)" on page 1021 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <Prgmld>	[0..1]	Text		1022
	ParticipantIdentification <Ptcpitld>	[0..1]	Text		1022

44.1.8.24.3 Adjustment <Adjstmnt>

Presence: [0..*]

Definition: Contains adjustment details of the transaction (for example, percentage, adjustment amount, etc.).

Adjustment <Adjstmnt> contains the following **Adjustment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		978
	AdditionalType <AddtlTp>	[0..1]	Text		978
	Description <Desc>	[0..1]	Text		978
	Reason <Rsn>	[0..1]	Text		978
	PromotionCode <PrmtnCd>	[0..1]	Text		978
	Percentage <Pctg>	[0..1]	Rate		978
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		979
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		979

44.1.8.24.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.24.3.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.24.3.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 1541

44.1.8.24.3.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.24.3.5 PromotionCode <PrmtnCd>

Presence: [0..1]

Definition: Promotion or adjustment code.

Datatype: "Max35Text" on page 1539

44.1.8.24.3.6 Percentage <Pctg>

Presence: [0..1]

Definition: Contains the percentage value of the discount (when applicable).

Datatype: "PercentageRate" on page 1532

44.1.8.24.3.7 AdjustmentAmount <AdjstmntAmt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.24.3.8 TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>

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 1530):

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

44.1.8.25 SaleItem2

Definition: Item purchased with the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductType <PdctTp>	[0..1]	Text		981
	ProductCode <PdctCd>	[0..1]	Text		981
	ProductCodeType <PdctCdTp>	[0..1]	CodeSet		981
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		981
	AdditionalProductCodeType <AddtlPdctCdTp>	[0..1]	Text		981
	ProductCodeModifier <PdctCdModfr>	[0..1]	Quantity		982
	ProductDescription <PdctDesc>	[0..1]	Text		982
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		982
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		983
	ProductQuantity <PdctQty>	[0..1]	Quantity		984
	NonAdjustedUnitPrice <NonAdjstdUnitPric>	[0..1]	Amount		984
	NonAdjustedTotalAmount <NonAdjstdTtlAmt>	[0..1]	Amount		984
	Adjustment <Adjstmnt>	[0..*]			984
	Type <Tp>	[0..1]	Text		984
	AdditionalType <AddtlTp>	[0..1]	Text		985
	Description <Desc>	[0..1]	Text		985
	Reason <Rsn>	[0..1]	Text		985
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		985
	PromotionCode <PrmtnCd>	[0..1]	Text		985
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		985
	Quantity <Qty>	[0..1]	Quantity		985
	UnitPrice <UnitPric>	[0..1]	Amount		985
	Percentage <Pctg>	[0..1]	Rate		986
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		986
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		986
	AdjustedAmount <AdjstdAmt>	[0..1]	Amount		986
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		986
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		986
	Tax <Tax>	[0..*]	±		986
	TotalAmount <TtlAmt>	[0..1]	Amount		987

44.1.8.25.1 ProductType <PdctTp>

Presence: [0..1]

Definition: Contains the product type of the sale line item.

Datatype: "Max35Text" on page 1539

44.1.8.25.2 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1541

44.1.8.25.3 ProductCodeType <PdctCdTp>

Presence: [0..1]

Definition: Contains a list of codes used to identify a product.

Datatype: "ProductCodeType1Code" on page 1513

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
UPCE	UniformProductCodeE	Uniform Product Code E-Type

44.1.8.25.4 AdditionalProductCode <AddtlPdctCd>

Presence: [0..1]

Definition: Additional code related to the product.

Datatype: "Max70Text" on page 1541

44.1.8.25.5 AdditionalProductCodeType <AddtlPdctCdTp>

Presence: [0..1]

Definition: Additional type of codification used to identify a product.

Datatype: "Max35Text" on page 1539

44.1.8.25.6 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 1531

44.1.8.25.7 ProductDescription <PdctDesc>

Presence: [0..1]

Definition: Description of the product or item.

Datatype: "Max140Text" on page 1536

44.1.8.25.8 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1526

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.

44.1.8.25.9 OtherUnitOfMeasure <OthrUnitOfMeasr>*Presence:* [0..1]*Definition:* Other unit of measure.*Datatype:* "Max35Text" on page 1539

44.1.8.25.10 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 1531

44.1.8.25.11 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 1451

44.1.8.25.12 NonAdjustedTotalAmount <NonAdjstdTtlAmt>

Presence: [0..1]

Definition: Original, non-adjusted total cost of a product or service before discounts and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.25.13 Adjustment <Adjstmnt>

Presence: [0..*]

Definition: Adjustment made to the original price.

Adjustment <Adjstmnt> contains the following **Adjustment10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		984
	AdditionalType <AddtlTp>	[0..1]	Text		985
	Description <Desc>	[0..1]	Text		985
	Reason <Rsn>	[0..1]	Text		985
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		985
	PromotionCode <PrmtnCd>	[0..1]	Text		985
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		985
	Quantity <Qty>	[0..1]	Quantity		985
	UnitPrice <UnitPric>	[0..1]	Amount		985
	Percentage <Pctg>	[0..1]	Rate		986
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		986
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		986

44.1.8.25.13.1 Type <Tp>

Presence: [0..1]

Definition: Type of adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.25.13.2 AdditionalType <AddtlTp>

Presence: [0..1]

Definition: Additional information to specify the type of adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.25.13.3 Description <Desc>

Presence: [0..1]

Definition: Description of the adjustment.

Datatype: "Max70Text" on page 1541

44.1.8.25.13.4 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.25.13.5 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 1530):

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

44.1.8.25.13.6 PromotionCode <PrmtnCd>

Presence: [0..1]

Definition: Promotion or adjustment code.

Datatype: "Max35Text" on page 1539

44.1.8.25.13.7 PromotionCouponNumber <PrmtnCpnNb>

Presence: [0..1]

Definition: May contain coupon number, discount code, etc.

Datatype: "Max35Text" on page 1539

44.1.8.25.13.8 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 1531

44.1.8.25.13.9 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Contains the adjusted unit price (does not include tax).

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.25.13.10 Percentage <Pctg>

Presence: [0..1]

Definition: Contains the percentage value of the discount (when applicable).

Datatype: "PercentageRate" on page 1532

44.1.8.25.13.11 AdjustmentAmount <AdjstmntAmt>

Presence: [0..1]

Definition: Contains amount of the adjustment, exclusive of tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.25.13.12 TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>

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 1530):

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

44.1.8.25.14 AdjustedAmount <AdjstdAmt>

Presence: [0..1]

Definition: Total cost of the line item amount, inclusive adjustments and exclusive of taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.25.15 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 1530):

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

44.1.8.25.16 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.25.17 Tax <Tax>

Presence: [0..*]

Definition: Taxes applying to the good or item.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.25.18 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total cost of the line item, inclusive of all applicable adjustments and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.26 SaleContext7

Definition: Context of the sale involved in a card transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltPmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstrn>	[0..1]	Text		989

44.1.8.26.1 SaleIdentification <SaleId>

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 1539

44.1.8.26.2 SaleReferenceIdentification <SaleRefId>

Presence: [0..1]

Definition: Global reference of the sale transaction for the sale system.

Datatype: "Max35Text" on page 1539

44.1.8.26.3 SaleReferenceNumber <SaleRefNb>

Presence: [0..1]

Definition: Identify a sale transaction assigned by the sale system.

Datatype: "Max35Text" on page 1539

44.1.8.26.4 GoodsAndServicesType <GoodsAndSvcsTp>

Presence: [0..1]

Definition: Type of goods and/or services.

Datatype: "GoodsAndServices1Code" on page 1490

CodeName	Name	Definition
ELEC	Electronic	Electronic goods and services.
PHYS	Physical	Physical goods or services.
ELPH	ElectronicAndPhysical	Electronic and physical goods and services.

44.1.8.26.5 GoodAndServicesSubType <GoodAndSvcsSubTp>

Presence: [0..1]

Definition: Sub type of goods and/or services.

Datatype: "GoodsAndServicesSubType1Code" on page 1490

CodeName	Name	Definition
CRCU	CryptoCurrency	Sub type applied is cryptocurrency.
FORX	ForeignExchange	Sub type applied is foreign exchange.
OTHN	OtherNational	Other sub type of goods and service at national level.
OTHP	OtherPrivate	Other sub type of goods and service at private level.
SECS	Securities	Sub type applied is securities.

44.1.8.26.6 GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>

Presence: [0..1]

Definition: Other goods and services sub type applied to the transaction.

Datatype: "Max35Text" on page 1539

44.1.8.26.7 SplitPaymentIndicator <SpltPmtInd>

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 1530):

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

44.1.8.26.8 ReceiptRequestIndicator <RctReqInd>

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 1530):

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

44.1.8.26.9 ReceiptType <RctTp>

Presence: [0..*]

Definition: Type of receipt requested or communication channel used.

Datatype: ["ReceiptType1Code"](#) on page 1515

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.

44.1.8.26.10 ReceiptDestination <RctDstn>

Presence: [0..1]

Definition: Destination of the receipt (for example, e-mail address, SMS number, etc.).

Datatype: ["Max70Text"](#) on page 1541

44.1.8.27 Sale1

Definition: Details of good and services included in the sale.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		990
	Lineltm <Lineltm>	[0..*]	±		990

44.1.8.27.1 Summary <Summry>

Presence: [0..1]

Definition: Sale summary information.

Summary <Summry> contains the following elements (see "SaleSummary1" on page 976 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		977
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		977
	Adjustment <Adjstmnt>	[0..*]			977
	Type <Tp>	[0..1]	Text		978
	AdditionalType <AddtlTp>	[0..1]	Text		978
	Description <Desc>	[0..1]	Text		978
	Reason <Rsn>	[0..1]	Text		978
	PromotionCode <Prmtncd>	[0..1]	Text		978
	Percentage <Pctg>	[0..1]	Rate		978
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		979
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		979

44.1.8.27.2 Lineltm <Lineltm>

Presence: [0..*]

Definition: Sale line item information.

LinItem <LinItem> contains the following elements (see "SaleItem2" on page 979 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProductType <PdctTp>	[0..1]	Text		981
	ProductCode <PdctCd>	[0..1]	Text		981
	ProductCodeType <PdctCdTp>	[0..1]	CodeSet		981
	AdditionalProductCode <AddtlPdctCd>	[0..1]	Text		981
	AdditionalProductCodeType <AddtlPdctCdTp>	[0..1]	Text		981
	ProductCodeModifier <PdctCdModfr>	[0..1]	Quantity		982
	ProductDescription <PdctDesc>	[0..1]	Text		982
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		982
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		983
	ProductQuantity <PdctQty>	[0..1]	Quantity		984
	NonAdjustedUnitPrice <NonAdjstdUnitPric>	[0..1]	Amount		984
	NonAdjustedTotalAmount <NonAdjstdTtlAmt>	[0..1]	Amount		984
	Adjustment <Adjstmnt>	[0..*]			984
	Type <Tp>	[0..1]	Text		984
	AdditionalType <AddtlTp>	[0..1]	Text		985
	Description <Desc>	[0..1]	Text		985
	Reason <Rsn>	[0..1]	Text		985
	PromotionEligibility <PrmtnElgblty>	[0..1]	Indicator		985
	PromotionCode <PrmtnCd>	[0..1]	Text		985
	PromotionCouponNumber <PrmtnCpnNb>	[0..1]	Text		985
	Quantity <Qty>	[0..1]	Quantity		985
	UnitPrice <UnitPric>	[0..1]	Amount		985
	Percentage <Pctg>	[0..1]	Rate		986
	AdjustmentAmount <AdjstmntAmt>	[0..1]	Amount		986
	TaxCalculatedOnOriginalAmount <TaxClctdOnOrgnlAmt>	[0..1]	Indicator		986
	AdjustedAmount <AdjstdAmt>	[0..1]	Amount		986
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		986
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		986
	Tax <Tax>	[0..*]	±		986
	TotalAmount <TtlAmt>	[0..1]	Amount		987

44.1.8.28 RentalDetails1

Definition: Details of car rental service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RentalIdentification <RntlId>	[0..1]	Text		994
	RentalDateTime <RntlDtTm>	[0..1]	DateTime		994
	RentalStart <RntlStart>	[0..1]			994
	Location <Lctn>	[0..1]	Text		995
	LocationCode <LctnCd>	[0..1]	Text		995
	Address <Adr>	[0..1]	±		996
	Contact <Ctct>	[0..1]			996
	Name <Nm>	[0..1]	Text		997
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		997
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		997
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		997
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		997
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		997
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		997
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		997
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		997
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		998
	URLAddress <URLAdr>	[0..1]	Text		998
	Language <Lang>	[0..1]	CodeSet		998
	DateAndTime <DtAndTm>	[0..1]	DateTime		998
	TimeSegment <TmSgmt>	[0..1]	CodeSet		998
	JourneyInformation <JrnyInf>	[0..1]			998
	JourneyType <JrnyTp>	[0..1]	CodeSet		999
	JourneyData <JrnyData>	[0..1]	Text		999
	DateAndTime <DtAndTm>	[0..1]	DateTime		999
	RentalReturn <RntlRtr>	[0..1]			999
	Location <Lctn>	[0..1]	Text		1000
	LocationCode <LctnCd>	[0..1]	Text		1000
	Address <Adr>	[0..1]	±		1001
	Contact <Ctct>	[0..1]			1001
	Name <Nm>	[0..1]	Text		1002

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1002
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1002
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1002
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1002
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1002
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1002
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1002
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1002
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1003
	URLAddress <URLAdr>	[0..1]	Text		1003
	Language <Lang>	[0..1]	CodeSet		1003
	DateAndTime <DtAndTm>	[0..1]	DateTime		1003
	TimeSegment <TmSgmt>	[0..1]	CodeSet		1003
	JourneyInformation <JrnyInf>	[0..1]			1003
	JourneyType <JrnyTp>	[0..1]	CodeSet		1004
	JourneyData <JrnyData>	[0..1]	Text		1004
	DateAndTime <DtAndTm>	[0..1]	DateTime		1004
	RentalTimePeriod <RntlTmPrd>	[0..*]	CodeSet		1004
	TimePeriodUnit <TmPrdUnit>	[0..1]	Text		1005
	TimePeriodRate <TmPrdRate>	[0..1]	Amount		1005
	Currency <Ccy>	[0..1]	CodeSet	C2	1005

44.1.8.28.1 RentalIdentification <RntlId>

Presence: [0..1]

Definition: Identification of the car rental service.

Datatype: "Max70Text" on page 1541

44.1.8.28.2 RentalDateTime <RntlDtTm>

Presence: [0..1]

Definition: Date and time of registration of car rental service as per folio.

Datatype: "ISODateTime" on page 1530

44.1.8.28.3 RentalStart <RntlStart>

Presence: [0..1]

Definition: Details of the vehicle at the start of the rental period.

RentalStart <RntlStart> contains the following **ServiceStartEnd1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		995
	LocationCode <LctnCd>	[0..1]	Text		995
	Address <Adr>	[0..1]	±		996
	Contact <Ctct>	[0..1]			996
	Name <Nm>	[0..1]	Text		997
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		997
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		997
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		997
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		997
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		997
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		997
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		997
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		997
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		998
	URLAddress <URLAdr>	[0..1]	Text		998
	Language <Lang>	[0..1]	CodeSet		998
	DateAndTime <DtAndTm>	[0..1]	DateTime		998
	TimeSegment <TmSgmt>	[0..1]	CodeSet		998
	JourneyInformation <JrnyInf>	[0..1]			998
	JourneyType <JrnyTp>	[0..1]	CodeSet		999
	JourneyData <JrnyData>	[0..1]	Text		999
	DateAndTime <DtAndTm>	[0..1]	DateTime		999

44.1.8.28.3.1 Location <Lctn>

Presence: [0..1]

Definition: Location of service (for example, Paris CDG, Paris Gare du Nord, etc.).

Datatype: "Max35Text" on page 1539

44.1.8.28.3.2 LocationCode <LctnCd>

Presence: [0..1]

Definition: Location code assigned to an airport or to a service location (for example, CDG, YUL, etc.).

Datatype: "Max35Text" on page 1539

44.1.8.28.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of service.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.28.3.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact details at location.

Contact <Ctct> contains the following **Contact2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		997
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		997
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		997
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		997
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		997
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		997
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		997
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		997
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		997
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		998
	URLAddress <URLAdr>	[0..1]	Text		998
	Language <Lang>	[0..1]	CodeSet		998

44.1.8.28.3.4.1 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 1541

44.1.8.28.3.4.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.3.4.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.3.4.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.3.4.9 HomeFaxNumber <HomeFaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.10 BusinessFaxNumber <BizFaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.3.4.11 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.8.28.3.4.12 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 1492

44.1.8.28.3.5 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time of service.

Datatype: "ISODateTime" on page 1530

44.1.8.28.3.6 TimeSegment <TmSgmt>

Presence: [0..1]

Definition: Period of day pertaining to the service location.

Datatype: "TimeSegment1Code" on page 1521

CodeName	Name	Definition
AMBN	AM	Ante meridiem or before noon time period.
PMAN	PM	Post meridiem or after noon time period.

44.1.8.28.3.7 JourneyInformation <JrnyInf>

Presence: [0..1]

Definition: Journey information related to the vehicle rental.

JourneyInformation <JrnyInf> contains the following **JourneyInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	JourneyType <JrnyTp>	[0..1]	CodeSet		999
	JourneyData <JrnyData>	[0..1]	Text		999
	DateAndTime <DtAndTm>	[0..1]	DateTime		999

44.1.8.28.3.7.1 JourneyType <JrnyTp>

Presence: [0..1]

Definition: Type of journey.

Datatype: "JourneyType1Code" on page 1492

CodeName	Name	Definition
COAC	CoachNumber	Coach number
EARL	Early	Early arrival or departure
FLGT	FlightNumber	Flight number.
LATE	Late	Late arrival or departure.
ONTM	OnTime	On-time arrival or departure
OTHR	Other	Other type of journey.
TRAN	TrainNumber	Train number.
VESS	VesselNumber	Vessel number

44.1.8.28.3.7.2 JourneyData <JrnyData>

Presence: [0..1]

Definition: Data related to the type of journey selected (for example, AF1234 when FlightNumber selected).

Datatype: "Max35Text" on page 1539

44.1.8.28.3.7.3 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time related to the journey type selected.

Datatype: "ISODatetime" on page 1530

44.1.8.28.4 RentalReturn <RntIRtr>

Presence: [0..1]

Definition: Details of the vehicle at the end of the rental period.

RentalReturn <RntIRtr> contains the following **ServiceStartEnd1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1000
	LocationCode <LctnCd>	[0..1]	Text		1000
	Address <Adr>	[0..1]	±		1001
	Contact <Ctct>	[0..1]			1001
	Name <Nm>	[0..1]	Text		1002
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1002
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1002
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1002
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1002
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1002
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1002
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1002
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1002
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1003
	URLAddress <URLAdr>	[0..1]	Text		1003
	Language <Lang>	[0..1]	CodeSet		1003
	DateAndTime <DtAndTm>	[0..1]	DateTime		1003
	TimeSegment <TmSgmt>	[0..1]	CodeSet		1003
	JourneyInformation <JrnyInf>	[0..1]			1003
	JourneyType <JrnyTp>	[0..1]	CodeSet		1004
	JourneyData <JrnyData>	[0..1]	Text		1004
	DateAndTime <DtAndTm>	[0..1]	DateTime		1004

44.1.8.28.4.1 Location <Lctn>

Presence: [0..1]

Definition: Location of service (for example, Paris CDG, Paris Gare du Nord, etc.).

Datatype: "Max35Text" on page 1539

44.1.8.28.4.2 LocationCode <LctnCd>

Presence: [0..1]

Definition: Location code assigned to an airport or to a service location (for example, CDG, YUL, etc.).

Datatype: "Max35Text" on page 1539

44.1.8.28.4.3 Address <Adr>

Presence: [0..1]

Definition: Address of service.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.28.4.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact details at location.

Contact <Ctct> contains the following **Contact2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1002
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1002
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1002
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1002
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1002
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1002
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1002
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1002
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1002
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1003
	URLAddress <URLAdr>	[0..1]	Text		1003
	Language <Lang>	[0..1]	CodeSet		1003

44.1.8.28.4.4.1 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 1541

44.1.8.28.4.4.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.4.4.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.4.4.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.28.4.4.9 HomeFaxNumber <HomeFaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.10 BusinessFaxNumber <BizFaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a home FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.8.28.4.4.11 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.8.28.4.4.12 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Datatype: "ISO2ALanguageCode" on page 1492

44.1.8.28.4.5 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time of service.

Datatype: "ISODateTime" on page 1530

44.1.8.28.4.6 TimeSegment <TmSgmt>

Presence: [0..1]

Definition: Period of day pertaining to the service location.

Datatype: "TimeSegment1Code" on page 1521

CodeName	Name	Definition
AMBN	AM	Ante meridiem or before noon time period.
PMAN	PM	Post meridiem or after noon time period.

44.1.8.28.4.7 JourneyInformation <JrnyInf>

Presence: [0..1]

Definition: Journey information related to the vehicle rental.

JourneyInformation <JrnyInf> contains the following **JourneyInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	JourneyType <JrnyTp>	[0..1]	CodeSet		1004
	JourneyData <JrnyData>	[0..1]	Text		1004
	DateAndTime <DtAndTm>	[0..1]	DateTime		1004

44.1.8.28.4.7.1 JourneyType <JrnyTp>

Presence: [0..1]

Definition: Type of journey.

Datatype: "JourneyType1Code" on page 1492

CodeName	Name	Definition
COAC	CoachNumber	Coach number
EARL	Early	Early arrival or departure
FLGT	FlightNumber	Flight number.
LATE	Late	Late arrival or departure.
ONTM	OnTime	On-time arrival or departure
OTHR	Other	Other type of journey.
TRAN	TrainNumber	Train number.
VESS	VesselNumber	Vessel number

44.1.8.28.4.7.2 JourneyData <JrnyData>

Presence: [0..1]

Definition: Data related to the type of journey selected (for example, AF1234 when FlightNumber selected).

Datatype: "Max35Text" on page 1539

44.1.8.28.4.7.3 DateAndTime <DtAndTm>

Presence: [0..1]

Definition: Date and time related to the journey type selected.

Datatype: "ISODatetime" on page 1530

44.1.8.28.5 RentalTimePeriod <RntlTmPrd>

Presence: [0..*]

Definition: Time period for the whole duration of rental.

Datatype: "PeriodUnit2Code" on page 1510

CodeName	Name	Definition
HOUR	Hours	Period unit expressed in hours.
HFDA	HalfDays	Half days
DAYS	Days	Counted in days.
WEEK	Weeks	Counted in weeks.
MNTH	Months	Counted in months.
YEAR	Years	Counted in years.
MINU	Minutes	Period unit expressed in minutes
OTHR	Other	Counted in some other unit.

44.1.8.28.6 TimePeriodUnit <TmPrdUnit>

Presence: [0..1]

Definition: Time period expressed in a number of units (for example, 1 week, 3 days, etc.).

Datatype: "Max4NumericText" on page 1540

44.1.8.28.7 TimePeriodRate <TmPrdRate>

Presence: [0..1]

Definition: Rate for the time period.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.28.8 Currency <Ccy>

Presence: [0..1]

Definition: Currency code applied for the rental.

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.8.29 Plan1

Definition: Attributes of the instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlanIdentification <PlanId>	[0..1]	Text		1006
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1006
	OtherPlanOwner <OthrPlanOwnr>	[0..1]	Text		1007
	InstalmentPaymentType <InstlmtPmtTp>	[0..1]	Text		1007
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1007
	NumberOfPeriods <NbOfPrds>	[0..1]	Quantity		1007
	InterestRate <IntrstRate>	[0..*]			1007
	Type <Tp>	[0..1]	CodeSet		1008
	OtherType <OthrTp>	[0..1]	Text		1008
	Period <Prd>	[1..1]	CodeSet		1008
	Rate <Rate>	[1..1]	Rate		1008
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1008
	FirstAmount <FrstAmt>	[0..1]	Amount		1009
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1009
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1009
	InstalmentCurrency <InstlmtCcy>	[0..1]	CodeSet	C2	1009
	GracePeriod <GracePrd>	[0..1]	±		1009
	AmountDetails <AmtDtls>	[0..*]	±		1010
	GrandTotalAmount <GrdTtlAmt>	[0..1]	Amount		1010

44.1.8.29.1 PlanIdentification <PlanId>

Presence: [0..1]

Definition: Identification of the instalment plan.

Datatype: "Max35Text" on page 1539

44.1.8.29.2 PlanOwner <PlanOwnr>

Presence: [0..1]

Definition: List of plan owners.

Datatype: "PlanOwner1Code" on page 1511

CodeName	Name	Definition
ACCP	Acceptor	Plan owner is an acceptor.
ACQR	Acquirer	Plan owner is an acquirer.
ISSR	Issuer	Plan owner is an issuer.
OTHN	OtherNational	plan owner type is other national.

CodeName	Name	Definition
OTHP	OtherPrivate	plan owner type is other private.

44.1.8.29.3 OtherPlanOwner <OthrPlanOwnr>

Presence: [0..1]

Definition: Other plan owner, used when PlanOwner is OtherNational or OtherPrivate.

Datatype: "Max35Text" on page 1539

44.1.8.29.4 InstalmentPaymentType <InstlmtPmtTp>

Presence: [0..1]

Definition: Instalment payment type.

Datatype: "Max35Text" on page 1539

44.1.8.29.5 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period unit between consecutive payments.

Datatype: "Frequency12Code" on page 1489

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.

44.1.8.29.6 NumberOfPeriods <NbOfPrds>

Presence: [0..1]

Definition: Number of period units between consecutive payments.

Datatype: "Number" on page 1532

44.1.8.29.7 InterestRate <IntrstRate>

Presence: [0..*]

Definition: Details of the interest rate.

InterestRate <IntrstRate> contains the following **InterestRateDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1008
	OtherType <OthrTp>	[0..1]	Text		1008
	Period <Prd>	[1..1]	CodeSet		1008
	Rate <Rate>	[1..1]	Rate		1008

44.1.8.29.7.1 Type <Tp>

Presence: [0..1]

Definition: Interest rate applicable to the instalment.

Datatype: "InterestRate1Code" on page 1491

CodeName	Name	Definition
GSRT	GrossRate	Gross interest rate of the instalment
NTRT	NetRate	Net interest rate of the instalment
OTHN	OtherNational	Other interest rate of the instalment
OTHP	OtherPrivate	Other interest rate of the instalment

44.1.8.29.7.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of interest applied to the instalment, when Type is OtherNational or OtherPrivate.

Datatype: "Max35Text" on page 1539

44.1.8.29.7.3 Period <Prd>

Presence: [1..1]

Definition: Contains instalment period

Datatype: "InstalmentPeriod1Code" on page 1491

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

44.1.8.29.7.4 Rate <Rate>

Presence: [1..1]

Definition: Rate expressed as a decimal, example, 0.7 is 7/10 and 70%.

Datatype: "BaseOneRate" on page 1532

44.1.8.29.8 FirstPaymentDate <FrstPmtDt>

Presence: [0..1]

Definition: Date of the first payment.

Datatype: "ISODate" on page 1530

44.1.8.29.9 FirstAmount <FrstAmt>

Presence: [0..1]

Definition: Amount of the first payment when different from the subsequent payments.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.29.10 SubsequentAmount <SbsqntAmt>

Presence: [0..1]

Definition: Amount of subsequent payments.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.29.11 TotalNumberOfPayments <TtlNbOfPmts>

Presence: [0..1]

Definition: Total number of instalment payments.

ISO 8583 bit 59

Datatype: "Number" on page 1532

44.1.8.29.12 InstalmentCurrency <InstlmtCcy>

Presence: [0..1]

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

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.8.29.13 GracePeriod <GracePrd>

Presence: [0..1]

Definition: Contains grace period details.

GracePeriod <GracePrd> contains the following elements (see "GracePeriod1" on page 1065 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		1066
	UnitType <UnitTp>	[1..1]	CodeSet		1066
	OtherUnitType <OthrUnitTp>	[0..1]	Text		1066

44.1.8.29.14 AmountDetails <AmtDtls>

Presence: [0..*]

Definition: Contains the amount details of an instalment plan.

AmountDetails <AmtDtls> contains the following elements (see "[InstalmentAmountDetails1](#)" on [page 848](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		848
	OtherType <OthrTp>	[0..1]	Text		849
	SubType <SubTp>	[0..1]	Text		849
	Amount <Amt>	[0..1]	±		849
	Percentage <Pctg>	[0..1]	Rate		849

44.1.8.29.15 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 1451](#)

44.1.8.30 PassengerTransportSummary1

Definition: Passenger ticket summary information for the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1011
	Reservation <Rsvatn>	[0..1]			1011
	System <Sys>	[0..1]	Text		1012
	ReservationNumber <RsvatnNb>	[0..1]	Text		1012
	OriginalSystem <OrgnlSys>	[0..1]	Text		1012
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1012
	TravelAuthorisationCode <TrvlAuthstnCd>	[0..1]	Text		1012
	TicketIssuer <Tcktlssr>	[0..1]	Text		1012
	OpenTicketIndicator <OpnTcktlnd>	[0..1]	Indicator		1013
	CustomerReference <CstmrRef>	[0..*]			1013
	Identification <Id>	[0..1]	Text		1013
	Detail <Dtl>	[0..1]	Text		1013
	Passenger <Pssngr>	[0..*]	±		1013
	Departure <Dprtur>	[0..1]	±		1014
	Duration <Drtm>	[0..1]	Text		1014
	InsuranceIndicator <Insrnclnd>	[0..1]	Indicator		1014
	TotalAmount <TtlAmt>	[0..1]			1015
	Type <Tp>	[0..1]	CodeSet		1015
	OtherType <OthrTp>	[0..1]	Text		1016
	Amount <Amt>	[1..1]	Amount		1016
	CreditIndicator <Cdtlnd>	[0..1]	Indicator		1016
	Tax <Tax>	[0..*]	±		1016
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1016
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		1017
	AdditionalData <AddtlData>	[0..1]	Text		1017

44.1.8.30.1 DocumentNumber <DocNb>

Presence: [0..1]

Definition: Unique identification number of the document.

Datatype: "Max35Text" on page 1539

44.1.8.30.2 Reservation <Rsvatn>

Presence: [0..1]

Definition: Reservation number or identifier.

Reservation <Rsvatn> contains the following **ReservationDetails3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	System <Sys>	[0..1]	Text		1012
	ReservationNumber <RsvatnNb>	[0..1]	Text		1012
	OriginalSystem <OrgnlSys>	[0..1]	Text		1012
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1012

44.1.8.30.2.1 System <Sys>

Presence: [0..1]

Definition: Computerised reservation system used to make the reservation and purchase the ticket.

Datatype: "Max4Text" on page 1540

44.1.8.30.2.2 ReservationNumber <RsvatnNb>

Presence: [0..1]

Definition: Value that uniquely identifies the reservation.

Datatype: "Max35Text" on page 1539

44.1.8.30.2.3 OriginalSystem <OrgnlSys>

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 1540

44.1.8.30.2.4 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 1539

44.1.8.30.3 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 1541

44.1.8.30.4 TicketIssuer <Tcktlssr>

Presence: [0..1]

Definition: Name of the issuing ticket agent.

Datatype: "Max35Text" on page 1539

44.1.8.30.5 OpenTicketIndicator <OpnTcktInd>

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 1530):

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

44.1.8.30.6 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		1013
	Detail <Dtl>	[0..1]	Text		1013

44.1.8.30.6.1 Identification <Id>

Presence: [0..1]

Definition: Defines the content of the value provided in the Customer Reference detail.

Datatype: ["Max35Text"](#) on page 1539

44.1.8.30.6.2 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 1541

44.1.8.30.7 Passenger <Pssngr>

Presence: [0..*]

Definition: Contains the details of the passenger.

Passenger <Pssngr> contains the following elements (see "[Customer5](#)" on page 1245 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1246
	Identification <Id>	[1..1]			1246
	Type <Tp>	[1..1]	Text		1246
	OtherType <OthrTp>	[0..1]	Text		1246
	Identification <Id>	[1..1]	Text		1247
	Assigner <Assgnr>	[0..1]	Text		1247
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1247
	Age <Age>	[0..1]	Text		1247
	Address <Adr>	[0..1]	±		1247
	Contact <Ctct>	[0..1]	±		1247

44.1.8.30.8 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure location, date and time.

Departure <Dprture> contains the following elements (see "[DepartureOrArrival1](#)" on page 1122 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1122
	Description <Desc>	[0..1]	Text		1122
	Date <Dt>	[0..1]	Date		1122
	Time <Tm>	[0..1]	Time		1122

44.1.8.30.9 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip in days.

Datatype: "[Max4NumericText](#)" on page 1540

44.1.8.30.10 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 1530):

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

44.1.8.30.11 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount.

TotalAmount <TtlAmt> contains the following **AmountDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1015
	OtherType <OthrTp>	[0..1]	Text		1016
	Amount <Amt>	[1..1]	Amount		1016
	CreditIndicator <CdtInd>	[0..1]	Indicator		1016
	Tax <Tax>	[0..*]	±		1016

44.1.8.30.11.1 Type <Tp>

Presence: [0..1]

Definition: Code that describes the type of amount or fee.

Datatype: "TypeOfAmount18Code" on page 1524

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.
BAGG	Baggage	Baggage related fees
CHTC	ChargedToCard	Amount that has been charged to card account
DATA	Data	Data communication related charges
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)
FARE	Fare	Amount of fare
INSU	Insurance	Insurance charges
FDBV	FoodBeverage	Amount of food and beverages
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges

CodeName	Name	Definition
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)

44.1.8.30.11.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Description of other type of amount or fee.

Datatype: "Max35Text" on page 1539

44.1.8.30.11.3 Amount <Amt>

Presence: [1..1]

Definition: Contains the amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.30.11.4 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the amount is a credit or debit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.30.11.5 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.30.12 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 1539

44.1.8.30.13 LoyaltyProgramme <LltyPrgrmm>*Presence:* [0..1]*Definition:* Loyalty programme details.**LoyaltyProgramme <LltyPrgrmm>** contains the following elements (see "[LoyaltyProgramme2](#)" on page 1021 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <Prgmld>	[0..1]	Text		1022
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1022

44.1.8.30.14 AdditionalData <AddtlData>*Presence:* [0..1]*Definition:* Additional user-defined data pertaining to the transportation.*Datatype:* "[Max350Text](#)" on page 1538**44.1.8.31 PassengerTransport1***Definition:* Passenger ticket information for the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1017
	TripLeg <TripLeg>	[0..*]	±		1018
	AncillaryPurchase <AncllryPurchs>	[0..*]	±		1020
	HiredVehicleDetails <HirdVhclDtls>	[0..*]	±		1021

44.1.8.31.1 Summary <Summry>*Presence:* [0..1]*Definition:* Component supports ticketing transactions for airline, railway, and travel agency transactions to provide passenger ticket information for the cardholder. Acquirers can submit one occurrence of this component for each airline, railway, or travel agency transaction to provide general ticket information.

Summary <Summry> contains the following elements (see "PassengerTransportSummary1" on page 1010 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DocumentNumber <DocNb>	[0..1]	Text		1011
	Reservation <Rsvatn>	[0..1]			1011
	System <Sys>	[0..1]	Text		1012
	ReservationNumber <RsvatnNb>	[0..1]	Text		1012
	OriginalSystem <OrgnlSys>	[0..1]	Text		1012
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		1012
	TravelAuthorisationCode <TrvlAuthstnCd>	[0..1]	Text		1012
	TicketIssuer <Tcktlssr>	[0..1]	Text		1012
	OpenTicketIndicator <OpnTcktlnd>	[0..1]	Indicator		1013
	CustomerReference <CstmrRef>	[0..*]			1013
	Identification <Id>	[0..1]	Text		1013
	Detail <Dtl>	[0..1]	Text		1013
	Passenger <Pssngr>	[0..*]	±		1013
	Departure <Dprtur>	[0..1]	±		1014
	Duration <Drtn>	[0..1]	Text		1014
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1014
	TotalAmount <TtlAmt>	[0..1]			1015
	Type <Tp>	[0..1]	CodeSet		1015
	OtherType <OthrTp>	[0..1]	Text		1016
	Amount <Amt>	[1..1]	Amount		1016
	CreditIndicator <CdtInd>	[0..1]	Indicator		1016
	Tax <Tax>	[0..*]	±		1016
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1016
	LoyaltyProgramme <LtyPrgrmm>	[0..1]	±		1017
	AdditionalData <AddtlData>	[0..1]	Text		1017

44.1.8.31.2 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 "TripLeg1" on page 920 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceNumber <SeqNb>	[0..1]	Text		922
	Ticket <Tckt>	[0..1]			922
	TicketNumber <TcktNb>	[0..1]	Text		923
	TicketIssuer <TcktIssr>	[0..1]	±		923
	TicketIssueDate <TcktIssDt>	[0..1]	Date		924
	TicketIssueLocation <TcktIssLctn>	[0..1]	Text		924
	ConjunctionTicketNumber <CnjctnTcktNb>	[0..1]	Text		924
	RestrictedTicketIndicator <RstrctdTcktInd>	[0..1]	Indicator		924
	OpenTicketIndicator <OpnTcktInd>	[0..1]	Indicator		924
	Restrictions <Rstrctns>	[0..1]	Text		924
	ExchangedTicketIndicator <XchgdTcktInd>	[0..1]	Indicator		925
	ExchangedTicketNumber <XchgdTcktNb>	[0..1]	Text		925
	RecordLocatorNumber <RcrdLctrNb>	[0..1]	Text		925
	Reservation <Rsvatn>	[0..1]			925
	System <Sys>	[0..1]	Text		925
	ReservationNumber <RsvatnNb>	[0..1]	Text		925
	OriginalSystem <OrgnlSys>	[0..1]	Text		926
	OriginalReservationNumber <OrgnlRsvatnNb>	[0..1]	Text		926
	Document <Doc>	[0..*]			926
	Type <Tp>	[0..1]	Text		926
	Reference <Ref>	[0..1]	Text		926
	ProcedureReference <PrcdrRef>	[0..1]	Text		926
	TransportType <TrnsprtTp>	[0..1]	CodeSet		926
	OtherTransportType <OthrTrnsprtTp>	[0..1]	Text		927
	CommodityCode <CmmdtyCd>	[0..1]	Text		927
	Carrier <Crrier>	[0..1]			927
	Name <Nm>	[0..1]	Text		927
	Code <Cd>	[0..1]	Text		927
	IATACode <IATACd>	[0..1]	Text		928
	RouteNumber <RouteNb>	[0..1]	Text		928
	ServiceClass <SvcClss>	[0..1]	Text		928

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Departure <Dprture>	[0..1]	±		928
	Arrival <Arrvl>	[0..1]	±		928
	Duration <Drtn>	[0..1]	Text		929
	StopOverIndicator <StopOverInd>	[0..1]	Indicator		929
	NonDirectRouteCode <NonDrctRouteCd>	[0..1]	Text		929
	FairBasisCode <FairBsisCd>	[0..1]	Text		929
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		929
	TripLegAmount <TripLegAmt>	[0..*]			929
	Type <Tp>	[0..1]	CodeSet		930
	OtherType <OthrTp>	[0..1]	Text		930
	Amount <Amt>	[1..1]	Amount		931
	CreditIndicator <CdtInd>	[0..1]	Indicator		931
	Tax <Tax>	[0..*]	±		931
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		931
	ProcedureIdentification <PrcdrId>	[0..1]	Text		931
	LoyaltyProgramme <LltyPrgrmm>	[0..1]	±		932
	AdditionalData <AddtlData>	[0..1]	Text		932

44.1.8.31.3 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 "[AncillaryPurchase1](#)" on page 1128 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AncillaryDocumentNumber <AncllryDocNb>	[0..1]	Text		1129
	RelatedDocumentNumber <RltdDocNb>	[0..1]	Text		1129
	ServiceCategoryCode <SvcCtgyCd>	[0..1]	Text		1129
	ServiceSubCategoryCode <SvcSubCtgyCd>	[0..1]	Text		1129
	ServiceProviderServiceType <SvcPrvdrSvcTp>	[0..1]	Text		1129
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1130
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1130
	Amount <Amt>	[0..1]	±		1130
	Fee <Fee>	[0..1]	Amount		1130
	Tax <Tax>	[1..*]	±		1130
	AdditionalData <AddtlData>	[0..1]	Text		1131

44.1.8.31.4 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 "[HiredVehicle1](#)" on page 1064 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CompanyType <CpnyTp>	[0..1]	Text		1064
	CompanyName <CpnyNm>	[0..1]	Text		1064
	TypeOfVehicle <TpOfVhcl>	[0..1]	Text		1064
	VehicleIdentification <VhclId>	[0..1]	Text		1064
	DriverIdentification <DrvrId>	[0..1]	Text		1064
	DriverTaxIdentification <DrvrTaxId>	[0..1]	Text		1065
	Destination <Dstrn>	[0..1]			1065
	NameAndLocation <NmAndLctn>	[0..1]	Text		1065
	Address <Adr>	[0..1]	±		1065

44.1.8.32 LoyaltyProgramme2

Definition: Loyalty programme information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <Prgmld>	[0..1]	Text		1022
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1022

44.1.8.32.1 ProgrammeType <PrgrmmTp>

Presence: [0..1]

Definition: Type of loyalty programme (for example, airline, lodging, vehicle and rail etc.).

Datatype: "Max35Text" on page 1539

44.1.8.32.2 ProgramIdentification <Prgmld>

Presence: [0..1]

Definition: Loyalty programme identification value.

Datatype: "Max70Text" on page 1541

44.1.8.32.3 ParticipantIdentification <Ptcptld>

Presence: [0..1]

Definition: Loyalty programme participant identification value.

Datatype: "Max70Text" on page 1541

44.1.8.33 LoyaltyProgramme1

Definition: Loyalty programme used for partial payment in loyalty value (debit) and computation of loyalty value gained on the monetary value paid by the customer (credit).

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeEligibilityIndicator <PrgrmmElgblyInd>	[0..*]	Indicator		1022
	ProgrammeIssuer <PrgrmmIssr>	[0..1]	Text		1023
	LoyaltyMember <LtyMmb>	[0..1]	±		1023

44.1.8.33.1 ProgrammeEligibilityIndicator <PrgrmmElgblyInd>

Presence: [0..*]

Definition: Eligibility for loyalty.

True: Eligible for loyalty

False: Not eligible for loyalty

Default: False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.33.2 ProgrammIssuer <Prgrmlssr>

Presence: [0..1]

Definition: Entity issuing the loyalty programme.

Datatype: "Max35Text" on page 1539

44.1.8.33.3 LoyaltyMember <LtyMmb>

Presence: [0..1]

Definition: Details about the member of the loyalty programme

LoyaltyMember <LtyMmb> contains the following elements (see "[LoyaltyMember1](#)" on page 1243 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1243
	Address <Adr>	[0..1]	±		1243
	Identification <Id>	[0..1]	Text		1244
	MemberStatus <MmbSts>	[0..1]	Text		1244
	ExpirationDate <XprtnDt>	[0..1]	Date		1244
	LoyaltyValue <LtyVal>	[0..1]	Text		1244
	LoyaltyValueType <LtyValTp>	[0..1]	CodeSet		1244
	OtherLoyaltyValueType <OthrLtyValTp>	[0..1]	Text		1244
	ValueToCredit <ValToCdt>	[0..1]	Text		1244
	ValueToDebit <ValToDbt>	[0..1]	Text		1245
	Balance <Bal>	[0..1]	Text		1245

44.1.8.34 LodgingSummary1

Definition: Data pertaining to a lodging transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FolioNumber <FolioNb>	[0..1]	Text		1024
	Property <Prprty>	[0..1]	±		1024
	Customer <Cstmr>	[0..1]	±		1025
	NumberOfRooms <NbOfRooms>	[0..1]	Text		1026
	Room <Room>	[0..*]	±		1026
	Duration <Drtn>	[0..1]	Text		1026
	Arrival <Arrvl>	[0..1]	±		1027
	Departure <Dprturt>	[0..1]	±		1027
	NoShowIndicator <NoShowInd>	[0..1]	Indicator		1027
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1027
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1028
	TotalTax <TtlTax>	[0..*]	±		1028
	TotalAmount <TtlAmt>	[0..1]	Amount		1028
	AuthorisedAmount <AuthrsdAmt>	[0..*]	±		1028
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1028
	LoyaltyProgramme <LltyPrgrmm>	[0..*]	±		1029
	AdditionalData <AddtlData>	[0..1]	Text		1029

44.1.8.34.1 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 1539

44.1.8.34.2 Property <Prprty>

Presence: [0..1]

Definition: Details of the lodging property.

Property <Prpty> contains the following elements (see "LodgingProperty1" on page 1030 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1031
	OtherType <OthrTp>	[0..1]	Text		1032
	PrestigiousProperty <PrstgsPrpty>	[0..1]	Text		1032
	Name <Nm>	[0..1]	Text		1032
	Identification <Id>	[1..1]	±		1032
	Location <Lctn>	[0..1]			1033
	LocationCode <LctnCd>	[0..1]	Text		1033
	LocationName <LctnNm>	[0..1]	Text		1033
	Description <Desc>	[0..1]	Text		1033
	Address <Adr>	[0..1]	±		1033
	LocalTimeZone <LclTmZone>	[0..1]	Text		1034
	LocalCurrency <LclCcy>	[0..1]	CodeSet	C2	1034
	Assigner <Assgnr>	[0..1]	CodeSet		1034
	Contact <Ctct>	[0..1]			1035
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1035
	PropertyPhoneNumber <PrptyPhneNb>	[0..1]	Text		1035
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1035
	Email <Email>	[0..1]	Text		1036
	FaxNumber <FaxNb>	[0..1]	Text		1036
	URLAddress <URLAdr>	[0..1]	Text		1036
	Language <Lang>	[0..1]	CodeSet	C3	1036
	Country <Ctry>	[0..1]	Text		1036
	FireSafetyActIndicator <FireSftyActInd>	[0..1]	Indicator		1036

44.1.8.34.3 Customer <Cstmr>

Presence: [0..1]

Definition: Contains customer details.

Customer <Cstmr> contains the following elements (see "[Customer5](#)" on page 1245 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1246
	Identification <Id>	[1..1]			1246
	Type <Tp>	[1..1]	Text		1246
	OtherType <OthrTp>	[0..1]	Text		1246
	Identification <Id>	[1..1]	Text		1247
	Assigner <Assgnr>	[0..1]	Text		1247
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1247
	Age <Age>	[0..1]	Text		1247
	Address <Adr>	[0..1]	±		1247
	Contact <Ctct>	[0..1]	±		1247

44.1.8.34.4 NumberOfRooms <NbOfRooms>

Presence: [0..1]

Definition: Number of rooms within the reservation.

Datatype: "[Max4NumericText](#)" on page 1540

44.1.8.34.5 Room <Room>

Presence: [0..*]

Definition: Contains the room details.

Room <Room> contains the following elements (see "[LodgingRoom1](#)" on page 1029 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RoomType <RoomTp>	[0..1]	Text		1029
	RoomLocation <RoomLctn>	[0..1]	Text		1029
	BedType <BedTp>	[0..1]	Text		1030
	GuestsPerRoom <GstsPerRoom>	[0..1]	Text		1030
	AdultsInRoom <AdltsInRoom>	[0..1]	Text		1030
	ChildrenInRoom <ChldrnInRoom>	[0..1]	Text		1030
	DailyRoomRate <DalyRoomRate>	[0..1]	Amount		1030

44.1.8.34.6 Duration <Drtn>

Presence: [0..1]

Definition: Duration of stay in days.

Datatype: "[Max4NumericText](#)" on page 1540

44.1.8.34.7 Arrival <Arrvl>

Presence: [0..1]

Definition: Lodging transaction details.

Arrival <Arrvl> contains the following elements (see "[DepartureOrArrival2](#)" on page 1121 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CarrierCode <CrrierCd>	[0..1]	Text		1121
	RouteNumber <RouteNb>	[0..1]	Text		1121
	Date <Dt>	[0..1]	Date		1121
	Time <Tm>	[0..1]	Time		1121

44.1.8.34.8 Departure <Dprture>

Presence: [0..1]

Definition: Contains departure details.

Departure <Dprture> contains the following elements (see "[DepartureOrArrival1](#)" on page 1122 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1122
	Description <Desc>	[0..1]	Text		1122
	Date <Dt>	[0..1]	Date		1122
	Time <Tm>	[0..1]	Time		1122

44.1.8.34.9 NoShowIndicator <NoShowInd>

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 1530):

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

44.1.8.34.10 InsuranceIndicator <Insrnclnd>

Presence: [0..1]

Definition: Indicates whether or not insurance was purchased.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1530):

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

44.1.8.34.11 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Amount of insurance.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.34.12 TotalTax <TtlTax>

Presence: [0..*]

Definition: Taxes related to the products or services.

TotalTax <TtlTax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.34.13 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Contains the total amount of lodging expenses.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.34.14 AuthorisedAmount <AuthrsdAmt>

Presence: [0..*]

Definition: Contains Authorised amount details.

AuthorisedAmount <AuthrsdAmt> contains the following elements (see "AuthorisedAmount1" on page 854 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DateTime <DtTm>	[0..1]	DateTime		854
	Amount <Amt>	[1..1]	Amount		854
	AdditionalData <AddtlData>	[0..1]	Text		854

44.1.8.34.15 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 1539

44.1.8.34.16 LoyaltyProgramme <LtyPrgrmm>

Presence: [0..*]

Definition: Loyalty programme details.

LoyaltyProgramme <LtyPrgrmm> contains the following elements (see "LoyaltyProgramme2" on page 1021 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProgrammeType <PrgrmmTp>	[0..1]	Text		1022
	ProgramIdentification <Prgmld>	[0..1]	Text		1022
	ParticipantIdentification <Ptcptld>	[0..1]	Text		1022

44.1.8.34.17 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the lodging.

Datatype: "Max350Text" on page 1538

44.1.8.35 LodgingRoom1

Definition: Room details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RoomType <RoomTp>	[0..1]	Text		1029
	RoomLocation <RoomLctn>	[0..1]	Text		1029
	BedType <BedTp>	[0..1]	Text		1030
	GuestsPerRoom <GstsPerRoom>	[0..1]	Text		1030
	AdultsInRoom <AdltsInRoom>	[0..1]	Text		1030
	ChildrenInRoom <ChldrnInRoom>	[0..1]	Text		1030
	DailyRoomRate <DalyRoomRate>	[0..1]	Amount		1030

44.1.8.35.1 RoomType <RoomTp>

Presence: [0..1]

Definition: Type of room (for example, club/lounge level room).

Datatype: "Max35Text" on page 1539

44.1.8.35.2 RoomLocation <RoomLctn>

Presence: [0..1]

Definition: Contains the room location information (for example, ocean view, lake view, level, etc.)

Datatype: "Max35Text" on page 1539

44.1.8.35.3 BedType <BedTp>

Presence: [0..1]

Definition: Contain the type of bed in room (for example, single, double, king, etc.)

Datatype: "Max70Text" on page 1541

44.1.8.35.4 GuestsPerRoom <GstsPerRoom>

Presence: [0..1]

Definition: Contains the number of guests in the room.

Datatype: "Max3NumericText" on page 1539

44.1.8.35.5 AdultsInRoom <AdltsInRoom>

Presence: [0..1]

Definition: Contains the number of adult guests in the room.

Datatype: "Max3NumericText" on page 1539

44.1.8.35.6 ChildrenInRoom <ChldrnInRoom>

Presence: [0..1]

Definition: Contains the number of child guests in the room.

Datatype: "Max3NumericText" on page 1539

44.1.8.35.7 DailyRoomRate <DalyRoomRate>

Presence: [0..1]

Definition: Daily rate being charged for the room.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.36 LodgingProperty1

Definition: Company in charge of a lodging establishment

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1031
	OtherType <OthrTp>	[0..1]	Text		1032
	PrestigiousProperty <PrstgsPrprty>	[0..1]	Text		1032
	Name <Nm>	[0..1]	Text		1032
	Identification <Id>	[1..1]	±		1032
	Location <Lctn>	[0..1]			1033
	LocationCode <LctnCd>	[0..1]	Text		1033
	LocationName <LctnNm>	[0..1]	Text		1033
	Description <Desc>	[0..1]	Text		1033
	Address <Adr>	[0..1]	±		1033
	LocalTimeZone <LclTmZone>	[0..1]	Text		1034
	LocalCurrency <LclCcy>	[0..1]	CodeSet	C2	1034
	Assigner <Assgnr>	[0..1]	CodeSet		1034
	Contact <Ctct>	[0..1]			1035
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1035
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1035
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1035
	Email <Email>	[0..1]	Text		1036
	FaxNumber <FaxNb>	[0..1]	Text		1036
	URLAddress <URLAdr>	[0..1]	Text		1036
	Language <Lang>	[0..1]	CodeSet	C3	1036
	Country <Ctry>	[0..1]	Text		1036
	FireSafetyActIndicator <FireSftyActInd>	[0..1]	Indicator		1036

44.1.8.36.1 Type <Tp>

Presence: [0..1]

Definition: Type of accommodations.

Datatype: "LodgingActivity1Code" on page 1495

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.

CodeName	Name	Definition
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.
OTHN	OtherNational	Other type of lodging defined at national level.
OTHP	OtherPrivate	Other type of lodging defined at private level.
RESO	Resort	Resort or related lodging.
ROAB	RoomAndBoard	Room and board or related lodging.
TOSH	TouristShelter	Tourist shelter and related lodging.

44.1.8.36.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of lodging establishment when Other National or Other Private is selected as a type code.

Datatype: "Max35Text" on page 1539

44.1.8.36.3 PrestigiousProperty <PrstgsPrprty>

Presence: [0..1]

Definition: Identifier that describes the lodging establishment as a prestigious property.

Datatype: "Max35Text" on page 1539

44.1.8.36.4 Name <Nm>

Presence: [0..1]

Definition: Name of the property.

Datatype: "Max35Text" on page 1539

44.1.8.36.5 Identification <Id>

Presence: [1..1]

Definition: Identification of the lodging company.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.8.36.6 Location <Lctn>

Presence: [0..1]

Definition: Address of the property.

Location <Lctn> contains the following **Location3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocationCode <LctnCd>	[0..1]	Text		1033
	LocationName <LctnNm>	[0..1]	Text		1033
	Description <Desc>	[0..1]	Text		1033
	Address <Adr>	[0..1]	±		1033
	LocalTimeZone <LclTmZone>	[0..1]	Text		1034
	LocalCurrency <LclCcy>	[0..1]	CodeSet	C2	1034

44.1.8.36.6.1 LocationCode <LctnCd>

Presence: [0..1]

Definition: Contains the location code.

Datatype: "Max35Text" on page 1539

44.1.8.36.6.2 LocationName <LctnNm>

Presence: [0..1]

Definition: Name (label) of the location.

Datatype: "Max35Text" on page 1539

44.1.8.36.6.3 Description <Desc>

Presence: [0..1]

Definition: Specific explanation of the location or directions.

Datatype: "Max256Text" on page 1538

44.1.8.36.6.4 Address <Adr>

Presence: [0..1]

Definition: Contains the address details.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.36.6.5 LocalTimeZone <LclTmZone>

Presence: [0..1]

Definition: Local time zone.

Datatype: "Max70Text" on page 1541

44.1.8.36.6.6 LocalCurrency <LclCcy>

Presence: [0..1]

Definition: Local currency.

Impacted by: C2 "ValidationByTable"

Datatype: "ISO3NumericCurrencyCode" on page 1492

Constraints

- **ValidationByTable**

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

44.1.8.36.7 Assigner <Assgnr>

Presence: [0..1]

Definition: Party in charge of assigning the identification.

Datatype: "CompanyAssigner2Code" on page 1481

CodeName	Name	Definition
ASSO	Association	Any relevant association in charge of assigning an identification to a company.
AUTH	Authority	Legal authority assigning an identification to a company (for example, a local, regional or national authority).

CodeName	Name	Definition
CPNY	Company	Identification assigned by the company itself.
LEII	LEI	Legal Entity Identifier.
TRAG	TravelAgency	Identification assigned by a travel agency.
OTHP	OtherPrivate	Other company assigner entity defined at private level.
OTHN	OtherNational	Other company assigner entity defined at national level.

44.1.8.36.8 Contact <Ctct>

Presence: [0..1]

Definition: Contact details at property.

Contact <Ctct> contains the following **Contact3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1035
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1035
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1035
	Email <Email>	[0..1]	Text		1036
	FaxNumber <FaxNb>	[0..1]	Text		1036
	URLAddress <URLAdr>	[0..1]	Text		1036
	Language <Lang>	[0..1]	CodeSet	C3	1036

44.1.8.36.8.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.36.8.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.36.8.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.36.8.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.36.8.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1543

44.1.8.36.8.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.8.36.8.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.8.36.9 Country <Ctry>

Presence: [0..1]

Definition: Country of the property.

ISO 3166

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.36.10 FireSafetyActIndicator <FireSftyActInd>

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 1530):

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

44.1.8.37 LodgingLineItem1

Definition: Lodging line item details

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1037
	Time <Tm>	[0..1]	Time		1037
	Type <Tp>	[0..1]	CodeSet		1037
	OtherType <OthrTp>	[0..1]	Text		1038
	PostCheckOutIndicator <PstChckOutInd>	[0..1]	Indicator		1038
	CreditIndicator <CdtInd>	[0..1]	Indicator		1039
	UnitAmount <UnitAmt>	[0..1]	Amount		1039
	Duration <Drtn>	[0..1]	Text		1039
	SubTotalAmount <SubTtlAmt>	[0..1]	Amount		1039
	Tax <Tax>	[0..*]	±		1039
	AdditionalData <AddtlData>	[0..1]	Text		1040

44.1.8.37.1 Date <Dt>

Presence: [0..1]

Definition: Date of the charge for the product or service associated with the line item.

Datatype: "ISODate" on page 1530

44.1.8.37.2 Time <Tm>

Presence: [0..1]

Definition: Time of the charge for the product or service associated with the line item.

Datatype: "ISOTime" on page 1543

44.1.8.37.3 Type <Tp>

Presence: [0..1]

Definition: Type of product or service associated with the line item.

Datatype: "LodgingService1Code" on page 1496

CodeName	Name	Definition
ACCO	Accommodation	Room accommodation
AUDI	AudioVisual	Audio visual lodging service.
BANQ	Banquet	Banquet lodging service.

CodeName	Name	Definition
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.
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.

44.1.8.37.4 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of product or service associated with the line item.

Datatype: "Max35Text" on page 1539

44.1.8.37.5 PostCheckOutIndicator <PstChckOutInd>

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 1530):

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

44.1.8.37.6 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the line item is a credit amount.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.8.37.7 UnitAmount <UnitAmt>

Presence: [0..1]

Definition: Contains the cost for one unit of the product or service.

Datatype: ["ImpliedCurrencyAndAmount" on page 1451](#)

44.1.8.37.8 Duration <Drtn>

Presence: [0..1]

Definition: Duration of the trip.

Datatype: ["Max4NumericText" on page 1540](#)

44.1.8.37.9 SubTotalAmount <SubTtlAmt>

Presence: [0..1]

Definition: Subtotal amount of line item. (e.g. total nightly rate, etc.)

Datatype: ["ImpliedCurrencyAndAmount" on page 1451](#)

44.1.8.37.10 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see ["Tax33" on page 1431](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.37.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional data.

Datatype: "Max350Text" on page 1538

44.1.8.38 Lodging2

Definition: Lodging provides summary information about lodging accommodations and related expenses for the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1040
	LineItem <Lineitm>	[0..*]	±		1041

44.1.8.38.1 Summary <Summry>

Presence: [0..1]

Definition: Component provides summary information about lodging accommodations and related expenses for the cardholder. One occurrence of this component provides lodging accommodation reporting for a single lodging folio, such as a single stay at a lodging facility with one check-in and one check-out.

Summary <Summry> contains the following elements (see "[LodgingSummary1](#)" on page 1023 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FolioNumber <FolioNb>	[0..1]	Text		1024
	Property <Prprty>	[0..1]	±		1024
	Customer <Cstmr>	[0..1]	±		1025
	NumberOfRooms <NbOfRooms>	[0..1]	Text		1026
	Room <Room>	[0..*]	±		1026
	Duration <Drtn>	[0..1]	Text		1026
	Arrival <Arrvl>	[0..1]	±		1027
	Departure <Dprture>	[0..1]	±		1027
	NoShowIndicator <NoShowInd>	[0..1]	Indicator		1027
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1027
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1028
	TotalTax <TtlTax>	[0..*]	±		1028
	TotalAmount <TtlAmt>	[0..1]	Amount		1028
	AuthorisedAmount <AuthrsdAmt>	[0..*]	±		1028
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1028
	LoyaltyProgramme <LltyPrgrmm>	[0..*]	±		1029
	AdditionalData <AddtlData>	[0..1]	Text		1029

44.1.8.38.2 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 "[LodgingLinItem1](#)" on page 1037 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1037
	Time <Tm>	[0..1]	Time		1037
	Type <Tp>	[0..1]	CodeSet		1037
	OtherType <OthrTp>	[0..1]	Text		1038
	PostCheckOutIndicator <PstChckOutInd>	[0..1]	Indicator		1038
	CreditIndicator <CdtInd>	[0..1]	Indicator		1039
	UnitAmount <UnitAmt>	[0..1]	Amount		1039
	Duration <Drtn>	[0..1]	Text		1039
	SubTotalAmount <SubTtlAmt>	[0..1]	Amount		1039
	Tax <Tax>	[0..*]	±		1039
	AdditionalData <AddtlData>	[0..1]	Text		1040

44.1.8.39 InvoiceSummary1

Definition: Summary information about the sale

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvNb>	[0..1]	Text		1044
	Seller <Sellr>	[0..1]			1044
	Name <Nm>	[0..1]	Text		1044
	Identification <Id>	[0..1]	±		1045
	Address <Adr>	[0..1]	±		1045
	Contact <Ctct>	[0..1]			1045
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1046
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1046
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1046
	Email <Email>	[0..1]	Text		1046
	FaxNumber <FaxNb>	[0..1]	Text		1046
	URLAddress <URLAdr>	[0..1]	Text		1046
	Language <Lang>	[0..1]	CodeSet	C3	1047
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1047
	AdditionalInformation <AddtlInf>	[0..1]	Text		1047
	Buyer <Buyr>	[0..1]			1047
	Name <Nm>	[0..1]	Text		1048
	Identification <Id>	[0..1]	±		1048
	Address <Adr>	[0..1]	±		1048
	Contact <Ctct>	[0..1]			1049
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1049
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1049
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1050
	Email <Email>	[0..1]	Text		1050
	FaxNumber <FaxNb>	[0..1]	Text		1050
	URLAddress <URLAdr>	[0..1]	Text		1050
	Language <Lang>	[0..1]	CodeSet	C3	1050
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1050
	AdditionalInformation <AddtlInf>	[0..1]	Text		1050
	InvoiceDate <InvDt>	[0..1]	Date		1050
	InvoiceCreationDateTime <InvCreDtTm>	[0..1]	DateTime		1051

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SummaryCommodityIdentification <SummryCmmdtyld>	[0..1]	Text		1051
	FreightAmount <FrghAmt>	[0..1]	Amount		1051
	TaxTotal <TaxTtl>	[0..*]	±		1051
	TaxReclaimMethod <TaxRclmMtd>	[0..1]	CodeSet		1051
	AdditionalData <AddtlData>	[0..1]	Text		1052

44.1.8.39.1 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 1541

44.1.8.39.2 Seller <Sellr>

Presence: [0..1]

Definition: Supplier or the provider of the goods or services.

Seller <Sellr> contains the following **PartyIdentification206** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1044
	Identification <Id>	[0..1]	±		1045
	Address <Adr>	[0..1]	±		1045
	Contact <Ctct>	[0..1]			1045
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1046
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1046
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1046
	Email <Email>	[0..1]	Text		1046
	FaxNumber <FaxNb>	[0..1]	Text		1046
	URLAddress <URLAdr>	[0..1]	Text		1046
	Language <Lang>	[0..1]	CodeSet	C3	1047
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1047
	AdditionalInformation <AddtlInf>	[0..1]	Text		1047

44.1.8.39.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1541

44.1.8.39.2.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the customer.

Identification <Id> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.8.39.2.3 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "[Address1](#)" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.39.2.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following **Contact3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1046
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1046
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1046
	Email <Email>	[0..1]	Text		1046
	FaxNumber <FaxNb>	[0..1]	Text		1046
	URLAddress <URLAdr>	[0..1]	Text		1046
	Language <Lang>	[0..1]	CodeSet	C3	1047

44.1.8.39.2.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.2.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.2.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.2.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.39.2.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.2.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.8.39.2.4.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.8.39.2.5 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of the customer recognized by the taxation authority.

Datatype: "Max70Text" on page 1541

44.1.8.39.2.6 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the seller.

Datatype: "Max1000Text" on page 1534

44.1.8.39.3 Buyer <Buyr>

Presence: [0..1]

Definition: Buyer or company buying the goods or services.

Buyer <Buy> contains the following **PartyIdentification206** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1048
	Identification <Id>	[0..1]	±		1048
	Address <Adr>	[0..1]	±		1048
	Contact <Ctct>	[0..1]			1049
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1049
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1049
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1050
	Email <Email>	[0..1]	Text		1050
	FaxNumber <FaxNb>	[0..1]	Text		1050
	URLAddress <URLAdr>	[0..1]	Text		1050
	Language <Lang>	[0..1]	CodeSet	C3	1050
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1050
	AdditionalInformation <AddtlInf>	[0..1]	Text		1050

44.1.8.39.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1541

44.1.8.39.3.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the customer.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.8.39.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.39.3.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following **Contact3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1049
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1049
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1050
	Email <Email>	[0..1]	Text		1050
	FaxNumber <FaxNb>	[0..1]	Text		1050
	URLAddress <URLAdr>	[0..1]	Text		1050
	Language <Lang>	[0..1]	CodeSet	C3	1050

44.1.8.39.3.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.3.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.3.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.3.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1538

44.1.8.39.3.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1543

44.1.8.39.3.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.8.39.3.4.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.8.39.3.5 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of the customer recognized by the taxation authority.

Datatype: "Max70Text" on page 1541

44.1.8.39.3.6 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the seller.

Datatype: "Max1000Text" on page 1534

44.1.8.39.4 InvoiceDate <InvcDt>

Presence: [0..1]

Definition: Effective billing date.

Datatype: "ISODate" on page 1530

44.1.8.39.5 InvoiceCreationDateTime <InvcCreDtTm>

Presence: [0..1]

Definition: Contains the date and time the electronic invoice was created.

Datatype: "ISODatetime" on page 1530

44.1.8.39.6 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 1539

44.1.8.39.7 FreightAmount <FrghtAmt>

Presence: [0..1]

Definition: Contains the freight charges for the entire purchase.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.39.8 TaxTotal <TaxTtl>

Presence: [0..*]

Definition: Contains the total tax amount for the entire purchase.

TaxTotal <TaxTtl> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.39.9 TaxReclaimMethod <TaxRclmMtd>

Presence: [0..1]

Definition: Code that identifies the disposition of the tax reclaim invoice.

Datatype: "TaxReclaimMethod1Code" on page 1520

CodeName	Name	Definition
INPP	InvoicePrintedPrimary	Invoice printed and given to purchaser and then used for tax reclaim

CodeName	Name	Definition
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

44.1.8.39.10 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional details.

Datatype: "Max350Text" on page 1538

44.1.8.40 InvoiceLineItem1

Definition: Item purchased with the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1053
	OrderDate <OrdDt>	[0..1]	Date		1054
	ContractNumber <CtrctNb>	[0..1]	Text		1054
	ShippingDate <ShppgDt>	[0..1]	Date		1054
	RebillingIndicator <RbllgInd>	[0..1]	Indicator		1054
	MedicalServicesIndicator <MdclSvcsInd>	[0..1]	Indicator		1054
	ShipToIndustryCode <ShipToIndstryCd>	[0..1]	Text		1054
	ProductCode <PdctCd>	[0..1]	Text		1054
	ProductQualifier <PdctQlfr>	[0..1]	Text		1055
	Description <Desc>	[0..1]	Text		1055
	TypeOfSupply <TpOfSppl>	[0..1]	Text		1055
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1055
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1057
	UnitPrice <UnitPric>	[0..1]	Amount		1057
	ProductQuantity <PdctQty>	[0..1]	Quantity		1057
	Adjustment <Adjstmnt>	[0..1]			1057
	Amount <Amt>	[1..1]	Amount		1057
	CreditIndicator <CdtInd>	[0..1]	Indicator		1057
	Reason <Rsn>	[0..1]	Text		1057
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1058
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1058
	Tax <Tax>	[0..*]	±		1058
	UniqueVATInvoiceReference <UnqVATInvRef>	[0..1]	Text		1058
	TotalAmount <TtlAmt>	[0..1]	Amount		1058
	CreditIndicator <CdtInd>	[0..1]	Indicator		1059
	ZeroCostToCustomerIndicator <ZeroCostToCstmrlnd>	[0..1]	Indicator		1059
	AdditionalData <AddtlData>	[0..1]	Text		1059

44.1.8.40.1 Date <Dt>

Presence: [0..1]

Definition: Invoice date.

Datatype: "ISODate" on page 1530

44.1.8.40.2 OrderDate <OrdDt>

Presence: [0..1]

Definition: Invoice order date.

Datatype: "ISODate" on page 1530

44.1.8.40.3 ContractNumber <CtrctNb>

Presence: [0..1]

Definition: Contains the corporate contract number.

Datatype: "Max70Text" on page 1541

44.1.8.40.4 ShippingDate <ShppgDt>

Presence: [0..1]

Definition: Shipping date of the product or the date services rendered.

Datatype: "ISODate" on page 1530

44.1.8.40.5 RebillingIndicator <RbllgInd>

Presence: [0..1]

Definition: Rebilling indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.40.6 MedicalServicesIndicator <MdclSvcsInd>

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 1530):

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

44.1.8.40.7 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 1540

44.1.8.40.8 ProductCode <PdctCd>

Presence: [0..1]

Definition: Product code of the item.

Datatype: "Max70Text" on page 1541

44.1.8.40.9 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 1539

44.1.8.40.10 Description <Desc>

Presence: [0..1]

Definition: May contain further clarifying data, such as event name, etc.

Datatype: "Max256Text" on page 1538

44.1.8.40.11 TypeOfSupply <TpOfSppl>

Presence: [0..1]

Definition: Indicates whether the purchase is categorized as goods or services.

Datatype: "Max10Text" on page 1535

44.1.8.40.12 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1526

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.

CodeName	Name	Definition
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.
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.

44.1.8.40.13 OtherUnitOfMeasure <OthrUnitOfMeasr>

Presence: [0..1]

Definition: Other unit of measure.

Datatype: "Max35Text" on page 1539

44.1.8.40.14 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Contains the price for one unit of the product or service.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.40.15 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "DecimalNumber" on page 1531

44.1.8.40.16 Adjustment <Adjstmnt>

Presence: [0..1]

Definition: Total line item amount, inclusive of adjustments and exclusive of taxes.

Adjustment <Adjstmnt> contains the following **Adjustment11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1057
	CreditIndicator <CdtInd>	[0..1]	Indicator		1057
	Reason <Rsn>	[0..1]	Text		1057

44.1.8.40.16.1 Amount <Amt>

Presence: [1..1]

Definition: Contains the adjusted amount (for example, discounts).

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.40.16.2 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the line item is a credit amount.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.40.16.3 Reason <Rsn>

Presence: [0..1]

Definition: Reason for the adjustment.

Datatype: "Max35Text" on page 1539

44.1.8.40.17 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 1530):

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

44.1.8.40.18 InsuranceAmount <InsrncAmt>

Presence: [0..1]

Definition: Cost of the insurance purchased.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.40.19 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.40.20 UniqueVATInvoiceReference <UnqVATInvRef>

Presence: [0..1]

Definition: Identifies the value-added tax (VAT) invoice or tax receipt.

Datatype: "Max35Text" on page 1539

44.1.8.40.21 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount of line item, inclusive of any applicable adjustments and taxes.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.40.22 CreditIndicator <CdtInd>

Presence: [0..1]

Definition: Indicates whether or not the line item is a credit amount.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.40.23 ZeroCostToCustomerIndicator <ZeroCostToCstmrInd>

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 1530):

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

44.1.8.40.24 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional data.

Datatype: "Max350Text" on page 1538

44.1.8.41 Invoice1

Definition: Invoice data pertaining to the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1059
	LineItem <Lineitm>	[0..*]	±		1061

44.1.8.41.1 Summary <Summry>

Presence: [0..1]

Definition: Invoice summary information.

Summary <Summry> contains the following elements (see "InvoiceSummary1" on page 1042 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceNumber <InvNb>	[0..1]	Text		1044
	Seller <Sellr>	[0..1]			1044
	Name <Nm>	[0..1]	Text		1044
	Identification <Id>	[0..1]	±		1045
	Address <Adr>	[0..1]	±		1045
	Contact <Ctct>	[0..1]			1045
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1046
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1046
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1046
	Email <Email>	[0..1]	Text		1046
	FaxNumber <FaxNb>	[0..1]	Text		1046
	URLAddress <URLAdr>	[0..1]	Text		1046
	Language <Lang>	[0..1]	CodeSet	C3	1047
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1047
	AdditionalInformation <AddtlInf>	[0..1]	Text		1047
	Buyer <Buyr>	[0..1]			1047
	Name <Nm>	[0..1]	Text		1048
	Identification <Id>	[0..1]	±		1048
	Address <Adr>	[0..1]	±		1048
	Contact <Ctct>	[0..1]			1049
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1049
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1049
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1050
	Email <Email>	[0..1]	Text		1050
	FaxNumber <FaxNb>	[0..1]	Text		1050
	URLAddress <URLAdr>	[0..1]	Text		1050
	Language <Lang>	[0..1]	CodeSet	C3	1050
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1050
	AdditionalInformation <AddtlInf>	[0..1]	Text		1050
	InvoiceDate <InvDt>	[0..1]	Date		1050

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InvoiceCreationDateTime <InvcCreDtTm>	[0..1]	DateTime		1051
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1051
	FreightAmount <FrghtAmt>	[0..1]	Amount		1051
	TaxTotal <TaxTtl>	[0..*]	±		1051
	TaxReclaimMethod <TaxRclmMtd>	[0..1]	CodeSet		1051
	AdditionalData <AddtlData>	[0..1]	Text		1052

44.1.8.41.2 LinelItem <LinelItem>

Presence: [0..*]

Definition: Line item information.

LinItem <LinItem> contains the following elements (see "InvoiceLinItem1" on page 1052 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1053
	OrderDate <OrdDt>	[0..1]	Date		1054
	ContractNumber <CtrctNb>	[0..1]	Text		1054
	ShippingDate <ShppgDt>	[0..1]	Date		1054
	RebillingIndicator <RbllgInd>	[0..1]	Indicator		1054
	MedicalServicesIndicator <MdclSvcsInd>	[0..1]	Indicator		1054
	ShipToIndustryCode <ShipToIndstryCd>	[0..1]	Text		1054
	ProductCode <PdctCd>	[0..1]	Text		1054
	ProductQualifier <PdctQlfr>	[0..1]	Text		1055
	Description <Desc>	[0..1]	Text		1055
	TypeOfSupply <TpOfSply>	[0..1]	Text		1055
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1055
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1057
	UnitPrice <UnitPric>	[0..1]	Amount		1057
	ProductQuantity <PdctQty>	[0..1]	Quantity		1057
	Adjustment <Adjstmnt>	[0..1]			1057
	Amount <Amt>	[1..1]	Amount		1057
	CreditIndicator <CdtInd>	[0..1]	Indicator		1057
	Reason <Rsn>	[0..1]	Text		1057
	InsuranceIndicator <InsrncInd>	[0..1]	Indicator		1058
	InsuranceAmount <InsrncAmt>	[0..1]	Amount		1058
	Tax <Tax>	[0..*]	±		1058
	UniqueVATInvoiceReference <UnqVATInvRef>	[0..1]	Text		1058
	TotalAmount <TtlAmt>	[0..1]	Amount		1058
	CreditIndicator <CdtInd>	[0..1]	Indicator		1059
	ZeroCostToCustomerIndicator <ZeroCostToCstmrlInd>	[0..1]	Indicator		1059
	AdditionalData <AddtlData>	[0..1]	Text		1059

44.1.8.42 Instalment3

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		1063
	Plan <Plan>	[0..*]	±		1063

44.1.8.42.1 PaymentSequenceNumber <PmtSeqNb>

Presence: [0..1]

Definition: Indicates the occurrence of a single instalment payment within a series of instalment payments.

Datatype: "Number" on page 1532

44.1.8.42.2 Plan <Plan>

Presence: [0..*]

Definition: Attributes of the instalment plan.

Plan <Plan> contains the following elements (see "Plan1" on page 1005 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlanIdentification <PlanId>	[0..1]	Text		1006
	PlanOwner <PlanOwnr>	[0..1]	CodeSet		1006
	OtherPlanOwner <OthrPlanOwnr>	[0..1]	Text		1007
	InstalmentPaymentType <InstlmtPmtTp>	[0..1]	Text		1007
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1007
	NumberOfPeriods <NbOfPrds>	[0..1]	Quantity		1007
	InterestRate <IntrstRate>	[0..*]			1007
	Type <Tp>	[0..1]	CodeSet		1008
	OtherType <OthrTp>	[0..1]	Text		1008
	Period <Prd>	[1..1]	CodeSet		1008
	Rate <Rate>	[1..1]	Rate		1008
	FirstPaymentDate <FrstPmtDt>	[0..1]	Date		1008
	FirstAmount <FrstAmt>	[0..1]	Amount		1009
	SubsequentAmount <SbsqntAmt>	[0..1]	Amount		1009
	TotalNumberOfPayments <TtlNbOfPmts>	[0..1]	Quantity		1009
	InstalmentCurrency <InstlmtCcy>	[0..1]	CodeSet	C2	1009
	GracePeriod <GracePrd>	[0..1]	±		1009
	AmountDetails <AmtDtls>	[0..*]	±		1010
	GrandTotalAmount <GrdTtlAmt>	[0..1]	Amount		1010

44.1.8.43 HiredVehicle1

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		1064
	CompanyName <CpnyNm>	[0..1]	Text		1064
	TypeOfVehicle <TpOfVhcl>	[0..1]	Text		1064
	VehicleIdentification <VhclId>	[0..1]	Text		1064
	DriverIdentification <DrvrlId>	[0..1]	Text		1064
	DriverTaxIdentification <DrvrTaxId>	[0..1]	Text		1065
	Destination <Dstn>	[0..1]			1065
	NameAndLocation <NmAndLctn>	[0..1]	Text		1065
	Address <Adr>	[0..1]	±		1065

44.1.8.43.1 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 1539

44.1.8.43.2 CompanyName <CpnyNm>

Presence: [0..1]

Definition: Contains the name of the company that provided the hired vehicle services.

Datatype: "Max70Text" on page 1541

44.1.8.43.3 TypeOfVehicle <TpOfVhcl>

Presence: [0..1]

Definition: Contains the type of vehicle that was hired (for example, limousine, black, SUV).

Datatype: "Max35Text" on page 1539

44.1.8.43.4 VehicleIdentification <VhclId>

Presence: [0..1]

Definition: Contains the identifier assigned to the vehicle.

Datatype: "Max35Text" on page 1539

44.1.8.43.5 DriverIdentification <DrvrlId>

Presence: [0..1]

Definition: Contains the identifier assigned to the driver.

Datatype: "Max35Text" on page 1539

44.1.8.43.6 DriverTaxIdentification <DrvrTaxId>

Presence: [0..1]

Definition: Contains the tax identifier assigned to the driver.

Datatype: "Max35Text" on page 1539

44.1.8.43.7 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the hired vehicle.

Destination <Dstn> contains the following **Destination2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	NameAndLocation <NmAndLctn>	[0..1]	Text		1065
	Address <Adr>	[0..1]	±		1065

44.1.8.43.7.1 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of the destination.

Datatype: "Max99Text" on page 1542

44.1.8.43.7.2 Address <Adr>

Presence: [0..1]

Definition: Specific address of the destination.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.44 GracePeriod1

Definition: Grace period applicable to an instalment plan.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Time <Tm>	[1..1]	Text		1066
	UnitType <UnitTp>	[1..1]	CodeSet		1066
	OtherUnitType <OthrUnitTp>	[0..1]	Text		1066

44.1.8.44.1 Time <Tm>

Presence: [1..1]

Definition: Grace period time relative to the grace period unit type.

Datatype: "Max3NumericText" on page 1539

44.1.8.44.2 UnitType <UnitTp>

Presence: [1..1]

Definition: Grace period unit type.

Datatype: "GracePeriodUnitType1Code" on page 1490

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
PMTS	Payments	Grace period payments.
OTHP	OtherPrivate	Other Private Grace period.
OTHN	OtherNational	Other National Grace period.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

44.1.8.44.3 OtherUnitType <OthrUnitTp>

Presence: [0..1]

Definition: Grace period other unit type.

Datatype: "Max35Text" on page 1539

44.1.8.45 FleetSummary1

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Driver <Drvr>	[0..1]			1070
	Name <Nm>	[0..1]	Text		1071
	Identification <Id>	[0..1]	Text		1072
	DrivingLicense <DrvgLic>	[0..1]			1072
	Type <Tp>	[0..1]	Text		1072
	Form <Form>	[0..1]	CodeSet		1072
	Identification <Id>	[1..1]	Text		1073
	Assigner <Assgnr>	[0..1]	CodeSet		1073
	IssuanceDate <IssncDt>	[0..1]	Date		1073
	ExpirationDate <XprtnDt>	[0..1]	Date		1073
	Country <Ctry>	[0..1]	Text		1073
	State <Stat>	[0..1]	Text		1073
	Province <Prvc>	[0..1]	Text		1073
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1074
	Employer <Mplyr>	[0..1]	Text		1074
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1074
	DepartmentNumber <DeptNb>	[0..1]	Text		1074
	AdditionalIdentification <AddtlId>	[0..*]			1074
	Type <Tp>	[1..1]	CodeSet		1074
	Form <Form>	[0..1]	CodeSet		1075
	Identification <Id>	[1..1]	Text		1075
	Assigner <Assgnr>	[0..1]	Text		1076
	IssuanceDate <IssncDt>	[0..1]	Date		1076
	ExpirationDate <XprtnDt>	[0..1]	Date		1076
	Country <Ctry>	[0..1]	Text		1076
	DateOfBirth <DtOfBirth>	[0..1]	Date		1076
	AdditionalData <AddtlData>	[0..1]	Text		1076
	Vehicle <Vhcl>	[0..1]			1076
	VehicleNumber <VhclNb>	[0..1]	Text		1078
	VehicleIdentificationNumber <VhclIdNb>	[0..1]	Text		1078
	FleetNumber <FleetNb>	[0..1]	Text		1078

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubFleetNumber <SubFleetNb>	[0..1]	Text		1078
	UnitNumber <UnitNb>	[0..1]	Text		1078
	TrailerNumber <TrlrNb>	[0..1]	Text		1078
	VehicleTag <VhclTag>	[0..1]	Text		1078
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		1079
	ReplacementVehicleIndicator <RplcmntVhclInd>	[0..1]	Indicator		1079
	Odometer <Odmtr>	[0..1]	Quantity		1079
	Hubometer <Hbmr>	[0..1]	Quantity		1079
	MaintenanceIdentification <Mntncld>	[0..1]	Text		1080
	OnBoardDiagnostics <OnBrdDgnstcs>	[0..1]			1080
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1080
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1081
	EngineHours <NgnHrs>	[0..1]	Quantity		1081
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1081
	EngineLoad <NgnLd>	[0..1]	Text		1081
	EngineRPM <NgnRPM>	[0..1]	Text		1081
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1081
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1081
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1082
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1082
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1082
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1082
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1082
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1082
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1082
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1082
	BatteryVoltage <BttryVltg>	[0..1]	Text		1083
	HardBraking <HardBrakg>	[0..1]	Text		1083
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1083
	AdditionalVehicleData <AddtlVhclData>	[0..*]			1083
	Type <Tp>	[0..1]	Text		1083

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		1083
	Data <Data>	[1..1]	Text		1084
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			1084
	DriverOrVehicleIdentification <DrvrOrVhclId>	[0..1]	Text		1084
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1084
	CardFuelPromptCode <CardFuelPrmptCd>	[0..1]	Quantity		1084
	AgentFuelPromptCode <AgtFuelPrmptCd>	[0..1]	Text		1084
	TripInformation <TripInf>	[0..1]			1085
	TripNumber <TripNb>	[0..1]	Text		1085
	JobNumber <JobNb>	[0..1]	Text		1085
	WorkOrder <WorkOrd>	[0..1]	Text		1085
	InvoiceNumber <InvcNb>	[0..1]	Text		1085
	BillingIdentification <BlgId>	[0..1]	Text		1085
	ControlNumber <CtrlNb>	[0..1]	Text		1086
	DeliveryTicketNumber <DlvryTcktNb>	[0..1]	Text		1086
	LocalAmenity <LclAmnty>	[0..*]			1086
	Type <Tp>	[1..1]	CodeSet		1086
	OtherType <OthrTp>	[0..1]	Text		1087
	AvailableIndicator <AvlblInd>	[0..1]	Indicator		1087
	TransactionRelatedData <TxRltdData>	[0..*]			1087
	PurchaseType <PurchsTp>	[0..1]	CodeSet		1088
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1088
	DiscountTotal <DscntTtl>	[0..1]			1088
	TotalAmount <TtlAmt>	[0..1]	Amount		1088
	FuelAmount <FuelAmt>	[0..1]	Amount		1088
	NonFuelAmount <NonFuelAmt>	[0..1]	Amount		1088
	TaxTotal <TaxTtl>	[0..*]	±		1089
	TotalAmount <TtlAmt>	[0..1]	Amount		1089
	AdditionalData <AddtlData>	[0..1]			1089
	EnteredDataNumeric <NtrdDataNmrc>	[0..1]	Text		1089
	EnteredDataAlphaNumeric <NtrdDataAlphaNmrc>	[0..1]	Text		1089

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..1]	Text		1090

44.1.8.45.1 Driver <Drvr>

Presence: [0..1]

Definition: Contains driver-related information.

Driver <Drvr> contains the following **Driver1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1071
	Identification <Id>	[0..1]	Text		1072
	DrivingLicense <DrvLic>	[0..1]			1072
	Type <Tp>	[0..1]	Text		1072
	Form <Form>	[0..1]	CodeSet		1072
	Identification <Id>	[1..1]	Text		1073
	Assigner <Assgnr>	[0..1]	CodeSet		1073
	IssuanceDate <IssncDt>	[0..1]	Date		1073
	ExpirationDate <XprtnDt>	[0..1]	Date		1073
	Country <Ctry>	[0..1]	Text		1073
	State <Stat>	[0..1]	Text		1073
	Province <Prvc>	[0..1]	Text		1073
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1074
	Employer <Mplyr>	[0..1]	Text		1074
	EmployeeIdentification <MplyeId>	[0..1]	Text		1074
	DepartmentNumber <DeptNb>	[0..1]	Text		1074
	AdditionalIdentification <AddtlId>	[0..*]			1074
	Type <Tp>	[1..1]	CodeSet		1074
	Form <Form>	[0..1]	CodeSet		1075
	Identification <Id>	[1..1]	Text		1075
	Assigner <Assgnr>	[0..1]	Text		1076
	IssuanceDate <IssncDt>	[0..1]	Date		1076
	ExpirationDate <XprtnDt>	[0..1]	Date		1076
	Country <Ctry>	[0..1]	Text		1076
	DateOfBirth <DtOfBirth>	[0..1]	Date		1076
	AdditionalData <AddtlData>	[0..1]	Text		1076

44.1.8.45.1.1 Name <Nm>

Presence: [0..1]

Definition: Name of fleet driver.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.2 Identification <Id>

Presence: [0..1]

Definition: Fleet driver identification.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.3 DrivingLicense <DrvgLic>

Presence: [0..1]

Definition: Driving license details.

DrivingLicense <DrvgLic> contains the following **DrivingLicense1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1072
	Form <Form>	[0..1]	CodeSet		1072
	Identification <Id>	[1..1]	Text		1073
	Assigner <Assgnr>	[0..1]	CodeSet		1073
	IssuanceDate <IssncDt>	[0..1]	Date		1073
	ExpirationDate <XprtnDt>	[0..1]	Date		1073
	Country <Ctry>	[0..1]	Text		1073
	State <Stat>	[0..1]	Text		1073
	Province <Prvc>	[0..1]	Text		1073
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1074

44.1.8.45.1.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.3.2 Form <Form>

Presence: [0..1]

Definition: Form of driving license.

Datatype: "PresentationMedium2Code" on page 1513

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.

44.1.8.45.1.3.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the driver license (for example, driver license number).

Datatype: "Max70Text" on page 1541

44.1.8.45.1.3.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Authority assigning an identification to a driver license.

Datatype: "LegalStructure1Code" on page 1494

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.

44.1.8.45.1.3.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Date of issuance of the driving license.

Datatype: "ISODate" on page 1530

44.1.8.45.1.3.6 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of the driving license (if and when relevant).

Datatype: "ISODate" on page 1530

44.1.8.45.1.3.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.45.1.3.8 State <Stat>

Presence: [0..1]

Definition: State issuing the driver license (if and when relevant).

Datatype: "Max16Text" on page 1536

44.1.8.45.1.3.9 Province <Prvc>

Presence: [0..1]

Definition: Province issuing the driver license (if and when relevant).

Datatype: "Max16Text" on page 1536

44.1.8.45.1.3.10 OtherAuthority <OthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 1536

44.1.8.45.1.4 Employer <Mplyr>

Presence: [0..1]

Definition: Contains the employer information.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.5 EmployeeIdentification <MplyeId>

Presence: [0..1]

Definition: Contains the employee identification number as assigned by the fleet operator.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.6 DepartmentNumber <DeptNb>

Presence: [0..1]

Definition: Contains the fleet driver's department number as assigned by the fleet operator.

Datatype: "Max35Text" on page 1539

44.1.8.45.1.7 AdditionalIdentification <AddtId>

Presence: [0..*]

Definition: Additional identification used for the driver.

AdditionalIdentification <AddtId> contains the following **TravelDocument1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1074
	Form <Form>	[0..1]	CodeSet		1075
	Identification <Id>	[1..1]	Text		1075
	Assigner <Assgnr>	[0..1]	Text		1076
	IssuanceDate <IssncDt>	[0..1]	Date		1076
	ExpirationDate <XprtnDt>	[0..1]	Date		1076
	Country <Ctry>	[0..1]	Text		1076

44.1.8.45.1.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of travel document.

Datatype: "OfficialDocumentType1Code" on page 1503

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.
OTHN	OtherNational	Other type of official document defined at national level.
OTHP	OtherPrivate	Other type of official document defined at private level.
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.

44.1.8.45.1.7.2 Form <Form>

Presence: [0..1]

Definition: Form of travel document.

Datatype: "PresentationMedium2Code" on page 1513

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.

44.1.8.45.1.7.3 Identification <Id>

Presence: [1..1]

Definition: Identification of travel document (for example, passport number).

Datatype: "Max70Text" on page 1541

44.1.8.45.1.7.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning the travel document.

Datatype: "Max70Text" on page 1541

44.1.8.45.1.7.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Issuance date of travel document.

Datatype: "ISODate" on page 1530

44.1.8.45.1.7.6 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of travel document (if and when relevant).

Datatype: "ISODate" on page 1530

44.1.8.45.1.7.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the travel document.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.45.1.8 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: "ISODate" on page 1530

44.1.8.45.1.9 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional fleet summary-level information.

Datatype: "Max350Text" on page 1538

44.1.8.45.2 Vehicle <Vhcl>

Presence: [0..1]

Definition: Vehicle belonging to the fleet.

Vehicle <Vhcl> contains the following **Vehicle5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VehicleNumber <VhclNb>	[0..1]	Text		1078
	VehicleIdentificationNumber <VhclIdNb>	[0..1]	Text		1078
	FleetNumber <FleetNb>	[0..1]	Text		1078
	SubFleetNumber <SubFleetNb>	[0..1]	Text		1078
	UnitNumber <UnitNb>	[0..1]	Text		1078
	TrailerNumber <TrlrNb>	[0..1]	Text		1078
	VehicleTag <VhclTag>	[0..1]	Text		1078
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		1079
	ReplacementVehicleIndicator <RplcmntVhclInd>	[0..1]	Indicator		1079
	Odometer <Odmtr>	[0..1]	Quantity		1079
	Hubometer <Hbmtr>	[0..1]	Quantity		1079
	Maintenanceldentification <Mntncld>	[0..1]	Text		1080
	OnBoardDiagnostics <OnBrdDgnstcs>	[0..1]			1080
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1080
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1081
	EngineHours <NgnHrs>	[0..1]	Quantity		1081
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1081
	EngineLoad <NgnLd>	[0..1]	Text		1081
	EngineRPM <NgnRPM>	[0..1]	Text		1081
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1081
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1081
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1082
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1082
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1082
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1082
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1082
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1082
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1082
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1082
	BatteryVoltage <BttryVltg>	[0..1]	Text		1083
	HardBraking <HardBrakg>	[0..1]	Text		1083

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1083
	AdditionalVehicleData <AddtlVhclData>	[0..*]			1083
	Type <Tp>	[0..1]	Text		1083
	EntryMode <NtryMd>	[0..1]	CodeSet		1083
	Data <Data>	[1..1]	Text		1084

44.1.8.45.2.1 VehicleNumber <VhclNb>

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 1539

44.1.8.45.2.2 VehicleIdentificationNumber <VhclIdNb>

Presence: [0..1]

Definition: Number that uniquely identifies the vehicle as assigned by the vehicle manufacturer.

Datatype: "Max35NumericText" on page 1539

44.1.8.45.2.3 FleetNumber <FleetNb>

Presence: [0..1]

Definition: Fleet number.

Datatype: "Max10Text" on page 1535

44.1.8.45.2.4 SubFleetNumber <SubFleetNb>

Presence: [0..1]

Definition: Sub fleet number.

Datatype: "Max35Text" on page 1539

44.1.8.45.2.5 UnitNumber <UnitNb>

Presence: [0..1]

Definition: Identification of the unit number of the vehicle in the fleet.

Datatype: "Max35NumericText" on page 1539

44.1.8.45.2.6 TrailerNumber <TrlrNb>

Presence: [0..1]

Definition: Identification number assigned to the trailer.

Datatype: "Max35NumericText" on page 1539

44.1.8.45.2.7 VehicleTag <VhclTag>

Presence: [0..1]

Definition: Registration tag of the vehicle.

Datatype: "Max35Text" on page 1539

44.1.8.45.2.8 VehicleTagEntryMode <VhclTagNtryMd>

Presence: [0..1]

Definition: Entry mode of the registration tag.

Datatype: "CardDataReading5Code" on page 1475

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.

44.1.8.45.2.9 ReplacementVehicleIndicator <RpIcmtVhclInd>

Presence: [0..1]

Definition: True indicates a replacement vehicle.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.8.45.2.10 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 1531

44.1.8.45.2.11 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 1531

44.1.8.45.2.12 MaintenanceIdentification <Mntncld>

Presence: [0..1]

Definition: Identification assigned to the vehicle related to maintenance.

Datatype: "Max35Text" on page 1539

44.1.8.45.2.13 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
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1080
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1081
	EngineHours <NgnHrs>	[0..1]	Quantity		1081
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1081
	EngineLoad <NgnLd>	[0..1]	Text		1081
	EngineRPM <NgnRPM>	[0..1]	Text		1081
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1081
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1081
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1082
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1082
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1082
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1082
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1082
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1082
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1082
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1082
	BatteryVoltage <BtryVltg>	[0..1]	Text		1083
	HardBraking <HardBrakg>	[0..1]	Text		1083
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1083

44.1.8.45.2.13.1 EngineIdleTime <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 1531

44.1.8.45.2.13.2 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 1531

44.1.8.45.2.13.3 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 1531

44.1.8.45.2.13.4 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 1531

44.1.8.45.2.13.5 EngineLoad <NgnLd>

Presence: [0..1]

Definition: Engine load measured as determined by the vehicle monitoring system.

Datatype: "Max12NumericText" on page 1535

44.1.8.45.2.13.6 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 1540

44.1.8.45.2.13.7 EngineOilTemperature <NgnOilTmprtr>

Presence: [0..1]

Definition: Temperature of the engine oil as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 1531

44.1.8.45.2.13.8 EngineOilPressure <NgnOilPrssr>

Presence: [0..1]

Definition: Pressure of the engine oil as determined by the vehicle monitoring system.

Datatype: "Max3NumericText" on page 1539

44.1.8.45.2.13.9 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 1539

44.1.8.45.2.13.10 CheckEngineWarningStatus <ChckNgnWrngSts>

Presence: [0..1]

Definition: Check engine status as determined by the vehicle monitoring system.

Datatype: "Max35Text" on page 1539

44.1.8.45.2.13.11 FuelTankLevelStart <FuelTankLvlStart>

Presence: [0..1]

Definition: Fuel tank start level reading as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 1540

44.1.8.45.2.13.12 FuelGaugeLevel <FuelGaugeLvl>

Presence: [0..1]

Definition: Current fuel tank gauge level reading as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 1540

44.1.8.45.2.13.13 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 1531

44.1.8.45.2.13.14 RefrigerationHours <RfrgrtnHrs>

Presence: [0..1]

Definition: Number of hours the refrigeration unit has been in operation.

Datatype: "Max10NumberFraction2" on page 1531

44.1.8.45.2.13.15 RefrigerationTemperature <RfrgrtnTmptr>

Presence: [0..1]

Definition: Temperature of the refrigeration unit/trailer as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 1531

44.1.8.45.2.13.16 CoolantTemperature <CoolntTmptr>

Presence: [0..1]

Definition: Temperature of the coolant as determined by the vehicle monitoring system.

Datatype: "Max6NumberFraction2" on page 1531

44.1.8.45.2.13.17 BatteryVoltage <BttryVltg>

Presence: [0..1]

Definition: Voltage of the vehicle battery as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 1540

44.1.8.45.2.13.18 HardBraking <HardBrakg>

Presence: [0..1]

Definition: Number of occurrences of hard breaking as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 1540

44.1.8.45.2.13.19 HardAcceleration <HardAcclrtn>

Presence: [0..1]

Definition: Number of occurrences of hard acceleration as determined by the vehicle monitoring system.

Datatype: "Max4NumericText" on page 1540

44.1.8.45.2.14 AdditionalVehicleData <AddtlVhclData>

Presence: [0..*]

Definition: Additional information related to the vehicle.

AdditionalVehicleData <AddtlVhclData> contains the following **Vehicle2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1083
	EntryMode <NtryMd>	[0..1]	CodeSet		1083
	Data <Data>	[1..1]	Text		1084

44.1.8.45.2.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information related to the vehicle.

Datatype: "Max35Text" on page 1539

44.1.8.45.2.14.2 EntryMode <NtryMd>

Presence: [0..1]

Definition: Entry mode of the information.

Datatype: "CardDataReading5Code" on page 1475

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.

CodeName	Name	Definition
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.

44.1.8.45.2.14.3 Data <Data>

Presence: [1..1]

Definition: Information related to the vehicle.

Datatype: "Max35Text" on page 1539

44.1.8.45.3 DriverOrVehicleCard <DrvrOrVhclCard>

Presence: [0..1]

Definition: Second card presented for the payment transaction.

DriverOrVehicleCard <DrvrOrVhclCard> contains the following **PlainCardData20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DriverOrVehicleIdentification <DrvrOrVhclId>	[0..1]	Text		1084
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1084

44.1.8.45.3.1 DriverOrVehicleIdentification <DrvrOrVhclId>

Presence: [0..1]

Definition: Identification of the driver or vehicle.

Datatype: "Max20Text" on page 1537

44.1.8.45.3.2 AdditionalCardData <AddtlCardData>

Presence: [0..1]

Definition: Additional card specific data.

Datatype: "Max35Text" on page 1539

44.1.8.45.4 CardFuelPromptCode <CardFuelPrmptCd>

Presence: [0..1]

Definition: Indicates whether or not fuel or fleet data prompting should occur.

Datatype: "Max1Number" on page 1531

44.1.8.45.5 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 1539

44.1.8.45.6 TripInformation <Triplnf>

Presence: [0..1]

Definition: Contains the details related to an individual trip.

TripInformation <Triplnf> contains the following **TripInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TripNumber <TripNb>	[0..1]	Text		1085
	JobNumber <JobNb>	[0..1]	Text		1085
	WorkOrder <WorkOrd>	[0..1]	Text		1085
	InvoiceNumber <InvcNb>	[0..1]	Text		1085
	BillingIdentification <Blgld>	[0..1]	Text		1085
	ControlNumber <CtrlNb>	[0..1]	Text		1086
	DeliveryTicketNumber <DlvryTcktNb>	[0..1]	Text		1086

44.1.8.45.6.1 TripNumber <TripNb>

Presence: [0..1]

Definition: Identification number of the trip.

Datatype: "Max35Text" on page 1539

44.1.8.45.6.2 JobNumber <JobNb>

Presence: [0..1]

Definition: Contains an indicator identifying the job or task identifier of the individual.

Datatype: "Max10Text" on page 1535

44.1.8.45.6.3 WorkOrder <WorkOrd>

Presence: [0..1]

Definition: Contains the work order or purchase order number.

Datatype: "Max70Text" on page 1541

44.1.8.45.6.4 InvoiceNumber <InvcNb>

Presence: [0..1]

Definition: Contains the invoice number.

Datatype: "Max70Text" on page 1541

44.1.8.45.6.5 BillingIdentification <Blgld>

Presence: [0..1]

Definition: Contains the billing identification number.

Datatype: "Max70Text" on page 1541

44.1.8.45.6.6 ControlNumber <CtrlNb>

Presence: [0..1]

Definition: Identification number assigned by an agent.

Datatype: "Max35Text" on page 1539

44.1.8.45.6.7 DeliveryTicketNumber <DlvryTcktNb>

Presence: [0..1]

Definition: Delivery Ticket Number for the trip information.

Datatype: "Max35Text" on page 1539

44.1.8.45.7 LocalAmenity <LclAmnty>

Presence: [0..*]

Definition: Indicates the amenities available at the location where the merchant actually performed the transaction.

LocalAmenity <LclAmnty> contains the following **LocalAmenity1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1086
	OtherType <OthrTp>	[0..1]	Text		1087
	AvailableIndicator <AvlblInd>	[0..1]	Indicator		1087

44.1.8.45.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service available.

Datatype: "LocationAmenity1Code" on page 1494

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
OTHN	OtherNational	Other amenities defined at the national level.
OTHP	OtherPrivate	Other amenities defined at the private level.

CodeName	Name	Definition
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

44.1.8.45.7.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other additional service available at the location.

Datatype: "Max35Text" on page 1539

44.1.8.45.7.3 AvailableIndicator <AvlblInd>

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 1530):

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

44.1.8.45.8 TransactionRelatedData <TxRltdData>

Presence: [0..*]

Definition: Contains information related specifically to the transaction.

TransactionRelatedData <TxRltdData> contains the following **PaymentTransaction117** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PurchaseType <PurchsTp>	[0..1]	CodeSet		1088
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1088
	DiscountTotal <DscntTtl>	[0..1]			1088
	TotalAmount <TtlAmt>	[0..1]	Amount		1088
	FuelAmount <FuelAmt>	[0..1]	Amount		1088
	NonFuelAmount <NonFuelAmt>	[0..1]	Amount		1088
	TaxTotal <TaxTtl>	[0..*]	±		1089
	TotalAmount <TtlAmt>	[0..1]	Amount		1089

44.1.8.45.8.1 PurchaseType <PurchsTp>

Presence: [0..1]

Definition: List of codes representing type of fleet purchases.

Datatype: "FleetPurchaseType1Code" on page 1487

CodeName	Name	Definition
FUEL	Fuel	Fuel
NONF	NonFuel	Non fuel
FANF	FuelAndNonFuel	Fuel and non fuel

44.1.8.45.8.2 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 1539

44.1.8.45.8.3 DiscountTotal <DscntTtl>

Presence: [0..1]

Definition: Discount applied to the transaction.

DiscountTotal <DscntTtl> contains the following **FleetDiscountTotals1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalAmount <TtlAmt>	[0..1]	Amount		1088
	FuelAmount <FuelAmt>	[0..1]	Amount		1088
	NonFuelAmount <NonFuelAmt>	[0..1]	Amount		1088

44.1.8.45.8.3.1 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.45.8.3.2 FuelAmount <FuelAmt>

Presence: [0..1]

Definition: Fuel amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.45.8.3.3 NonFuelAmount <NonFuelAmt>

Presence: [0..1]

Definition: Non-fuel amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.45.8.4 TaxTotal <TaxTtl>

Presence: [0..*]

Definition: Total taxes related to the products or services.

TaxTotal <TaxTtl> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.45.8.5 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount of the transaction, inclusive of all applicable taxes and fees.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.45.9 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Contains additional fleet summary data.

AdditionalData <AddtlData> contains the following **AdditionalInformation19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EnteredDataNumeric <NtrdDataNmrc>	[0..1]	Text		1089
	EnteredDataAlphaNumeric <NtrdDataAlphaNmrc>	[0..1]	Text		1089
	AdditionalData <AddtlData>	[0..1]	Text		1090

44.1.8.45.9.1 EnteredDataNumeric <NtrdDataNmrc>

Presence: [0..1]

Definition: Key-entered numeric data.

Datatype: "Max35NumericText" on page 1539

44.1.8.45.9.2 EnteredDataAlphaNumeric <NtrdDataAlphaNmrc>

Presence: [0..1]

Definition: Key-entered alphanumeric data.

Datatype: "Max350Text" on page 1538

44.1.8.45.9.3 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional fleet summary data.

Datatype: "Max350Text" on page 1538

44.1.8.46 FleetLineItem2

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AllowedItemIndicator <AllwdltmInd>	[0..1]	Indicator		1090
	FuelIndicator <FuelInd>	[1..1]	CodeSet		1090
	ServiceType <SvcTp>	[0..1]	CodeSet		1091
	FleetProductCategory <FleetPdctCtgy>	[0..1]	Text		1091
	FleetProductCode <FleetPdctCd>	[0..1]	Text		1091
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1091
	ProductQuantity <PdctQty>	[0..1]	Text		1093
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1093
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1093

44.1.8.46.1 AllowedItemIndicator <AllwdltmInd>

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 1530):

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

44.1.8.46.2 FuelIndicator <FuelInd>

Presence: [1..1]

Definition: Indicates whether or not the line item represents a fuel or non-fuel product or service.

Datatype: "FleetPurchaseType1Code" on page 1487

CodeName	Name	Definition
FUEL	Fuel	Fuel
NONF	NonFuel	Non fuel
FANF	FuelAndNonFuel	Fuel and non fuel

44.1.8.46.3 ServiceType <SvcTp>

Presence: [0..1]

Definition: Type of service received at the acceptor location.

Datatype: "FleetServiceType1Code" on page 1487

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

44.1.8.46.4 FleetProductCategory <FleetPdctCtgy>

Presence: [0..1]

Definition: Contains a code that identifies a category of fleet products or services.

Datatype: "Max35Text" on page 1539

44.1.8.46.5 FleetProductCode <FleetPdctCd>

Presence: [0..1]

Definition: Code that identifies the type of fuel or non-fuel product or service being purchased.

Datatype: "Max15Text" on page 1536

44.1.8.46.6 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1526

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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
ACRE	Acre	Unit of measure equal to 4, 840 square yards.

44.1.8.46.7 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "Max12NumericText" on page 1535

44.1.8.46.8 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.46.9 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.47 FleetLineItem1

Definition: Supplies additional transaction information for fleet transactions.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FuelIndicator <FuelInd>	[1..1]	Indicator		1094
	ServiceType <SvcTp>	[0..1]	CodeSet		1094
	FuelBrandCode <FuelBrndCd>	[0..1]	Text		1095
	FleetProductCode <FleetPdctCd>	[0..1]	Text		1095
	FleetProductCategory <FleetPdctCtgy>	[0..1]	Text		1095
	FleetProductQualifier <FleetPdctQlfr>	[0..1]	Text		1095
	FleetProductCodeAssigner <FleetPdctCdAssgnr>	[0..1]	Text		1095
	UnitPriceTaxIndicator <UnitPricTaxInd>	[0..1]	Indicator		1095
	UnitPrice <UnitPric>	[0..1]	Amount		1096
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1096
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1097
	ProductQuantity <PdctQty>	[0..1]	Text		1097
	DiscountAmount <DscntAmt>	[0..1]	Amount		1097
	NonTaxableIndicator <NonTaxblInd>	[0..1]	Indicator		1098
	Tax <Tax>	[0..*]	±		1098
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1098
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1098

44.1.8.47.1 FuelIndicator <FuelInd>

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 1530):

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

44.1.8.47.2 ServiceType <SvcTp>

Presence: [0..1]

Definition: Type of service received at the acceptor location.

Datatype: ["FleetServiceType1Code"](#) on page 1487

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

44.1.8.47.3 FuelBrandCode <FuelBrndCd>

Presence: [0..1]

Definition: Code that identifies the brand of the fuel purchased.

Datatype: "Max4Text" on page 1540

44.1.8.47.4 FleetProductCode <FleetPdctCd>

Presence: [0..1]

Definition: Product code of fleet product or service being purchased.

Datatype: "Max4Text" on page 1540

44.1.8.47.5 FleetProductCategory <FleetPdctCtgy>

Presence: [0..1]

Definition: Contains a code that identifies a category of fleet products or services.

Datatype: "Max35Text" on page 1539

44.1.8.47.6 FleetProductQualifier <FleetPdctQlfr>

Presence: [0..1]

Definition: Contains a code that identifies the product qualifier of the fleet product or service.

Datatype: "Max6Text" on page 1541

44.1.8.47.7 FleetProductCodeAssigner <FleetPdctCdAssgnr>

Presence: [0..1]

Definition: Contains a code that identifies the product code assigner.

Datatype: "Max35Text" on page 1539

44.1.8.47.8 UnitPriceTaxIndicator <UnitPricTaxInd>

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 1530):

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

44.1.8.47.9 UnitPrice <UnitPric>

Presence: [0..1]

Definition: Unit price of the fleet line item.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.47.10 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure of the item purchased.

Datatype: "UnitOfMeasure1Code" on page 1526

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.
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.

CodeName	Name	Definition
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.

44.1.8.47.11 OtherUnitOfMeasure <OthrUnitOfMeasr>

Presence: [0..1]

Definition: Other unit of measure.

Datatype: "Max35Text" on page 1539

44.1.8.47.12 ProductQuantity <PdctQty>

Presence: [0..1]

Definition: Quantity of product or item.

Datatype: "Max12NumericText" on page 1535

44.1.8.47.13 DiscountAmount <DscntAmt>

Presence: [0..1]

Definition: Contains the discount amount applied to the fleet transaction (includes coupons).

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.47.14 NonTaxableIndicator <NonTaxblInd>

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 1530):

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

44.1.8.47.15 Tax <Tax>

Presence: [0..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.47.16 TotalAmountExcludingTax <TtlAmtExclgTax>

Presence: [0..1]

Definition: Total amount excluding tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.47.17 TotalAmountIncludingTax <TtlAmtInclgTax>

Presence: [0..1]

Definition: Total amount including tax.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.48 FleetData3

Definition: Fleet data pertaining to the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LineItem <LineItm>	[0..*]	±		1099

44.1.8.48.1 Lineltem <Linelitm>

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.

Lineltem <Linelitm> contains the following elements (see "[FleetLineltem2](#)" on page 1090 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AllowedItemIndicator <AllwdltmInd>	[0..1]	Indicator		1090
	FuelIndicator <FuelInd>	[1..1]	CodeSet		1090
	ServiceType <SvcTp>	[0..1]	CodeSet		1091
	FleetProductCategory <FleetPdctCtgy>	[0..1]	Text		1091
	FleetProductCode <FleetPdctCd>	[0..1]	Text		1091
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1091
	ProductQuantity <PdctQty>	[0..1]	Text		1093
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1093
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1093

44.1.8.49 FleetData2

Definition: Fleet data pertaining to the payment transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Summary <Summry>	[0..1]	±		1099
	Lineltem <Linelitm>	[0..*]	±		1103

44.1.8.49.1 Summary <Summry>

Presence: [0..1]

Definition: Invoice Summary information.

Summary <Summry> contains the following elements (see "FleetSummary1" on page 1066 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Driver <Drvr>	[0..1]			1070
	Name <Nm>	[0..1]	Text		1071
	Identification <Id>	[0..1]	Text		1072
	DrivingLicense <DrvgLic>	[0..1]			1072
	Type <Tp>	[0..1]	Text		1072
	Form <Form>	[0..1]	CodeSet		1072
	Identification <Id>	[1..1]	Text		1073
	Assigner <Assgnr>	[0..1]	CodeSet		1073
	IssuanceDate <IssncDt>	[0..1]	Date		1073
	ExpirationDate <XprtnDt>	[0..1]	Date		1073
	Country <Ctry>	[0..1]	Text		1073
	State <Stat>	[0..1]	Text		1073
	Province <Pvc>	[0..1]	Text		1073
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1074
	Employer <Mplyr>	[0..1]	Text		1074
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1074
	DepartmentNumber <DeptNb>	[0..1]	Text		1074
	AdditionalIdentification <AddtlId>	[0..*]			1074
	Type <Tp>	[1..1]	CodeSet		1074
	Form <Form>	[0..1]	CodeSet		1075
	Identification <Id>	[1..1]	Text		1075
	Assigner <Assgnr>	[0..1]	Text		1076
	IssuanceDate <IssncDt>	[0..1]	Date		1076
	ExpirationDate <XprtnDt>	[0..1]	Date		1076
	Country <Ctry>	[0..1]	Text		1076
	DateOfBirth <DtOfBirth>	[0..1]	Date		1076
	AdditionalData <AddtlData>	[0..1]	Text		1076
	Vehicle <Vhcl>	[0..1]			1076
	VehicleNumber <VhclNb>	[0..1]	Text		1078
	VehicleIdentificationNumber <VhclIdNb>	[0..1]	Text		1078
	FleetNumber <FleetNb>	[0..1]	Text		1078

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubFleetNumber <SubFleetNb>	[0..1]	Text		1078
	UnitNumber <UnitNb>	[0..1]	Text		1078
	TrailerNumber <TrlrNb>	[0..1]	Text		1078
	VehicleTag <VhclTag>	[0..1]	Text		1078
	VehicleTagEntryMode <VhclTagNtryMd>	[0..1]	CodeSet		1079
	ReplacementVehicleIndicator <RplcmntVhclInd>	[0..1]	Indicator		1079
	Odometer <Odmtr>	[0..1]	Quantity		1079
	Hubometer <Hbmtr>	[0..1]	Quantity		1079
	MaintenanceIdentification <Mntncld>	[0..1]	Text		1080
	OnBoardDiagnostics <OnBrdDgnstcs>	[0..1]			1080
	EngineIdleTime <NgnIdleTm>	[0..1]	Quantity		1080
	EngineTotalIdleTime <NgnTtlIdleTm>	[0..1]	Quantity		1081
	EngineHours <NgnHrs>	[0..1]	Quantity		1081
	EngineTotalTime <NgnTtlTm>	[0..1]	Quantity		1081
	EngineLoad <NgnLd>	[0..1]	Text		1081
	EngineRPM <NgnRPM>	[0..1]	Text		1081
	EngineOilTemperature <NgnOilTmprtr>	[0..1]	Quantity		1081
	EngineOilPressure <NgnOilPrssr>	[0..1]	Text		1081
	EngineOilLifeRemaining <NgnOilLifeRmng>	[0..1]	Text		1082
	CheckEngineWarningStatus <ChckNgnWrngSts>	[0..1]	Text		1082
	FuelTankLevelStart <FuelTankLvlStart>	[0..1]	Text		1082
	FuelGaugeLevel <FuelGaugeLvl>	[0..1]	Text		1082
	FuelEconomy <FuelEcnmy>	[0..1]	Quantity		1082
	RefrigerationHours <RfrgrtnHrs>	[0..1]	Quantity		1082
	RefrigerationTemperature <RfrgrtnTmprtr>	[0..1]	Quantity		1082
	CoolantTemperature <CoolntTmprtr>	[0..1]	Quantity		1082
	BatteryVoltage <BttryVltg>	[0..1]	Text		1083
	HardBraking <HardBrakg>	[0..1]	Text		1083
	HardAcceleration <HardAcclrtn>	[0..1]	Text		1083
	AdditionalVehicleData <AddtlVhclData>	[0..*]			1083
	Type <Tp>	[0..1]	Text		1083

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EntryMode <NtryMd>	[0..1]	CodeSet		1083
	Data <Data>	[1..1]	Text		1084
	DriverOrVehicleCard <DrvrOrVhclCard>	[0..1]			1084
	DriverOrVehicleIdentification <DrvrOrVhclId>	[0..1]	Text		1084
	AdditionalCardData <AddtlCardData>	[0..1]	Text		1084
	CardFuelPromptCode <CardFuelPrmptCd>	[0..1]	Quantity		1084
	AgentFuelPromptCode <AgtFuelPrmptCd>	[0..1]	Text		1084
	TripInformation <TripInf>	[0..1]			1085
	TripNumber <TripNb>	[0..1]	Text		1085
	JobNumber <JobNb>	[0..1]	Text		1085
	WorkOrder <WorkOrd>	[0..1]	Text		1085
	InvoiceNumber <InvcNb>	[0..1]	Text		1085
	BillingIdentification <BlgId>	[0..1]	Text		1085
	ControlNumber <CtrlNb>	[0..1]	Text		1086
	DeliveryTicketNumber <DlvryTcktNb>	[0..1]	Text		1086
	LocalAmenity <LclAmnty>	[0..*]			1086
	Type <Tp>	[1..1]	CodeSet		1086
	OtherType <OthrTp>	[0..1]	Text		1087
	AvailableIndicator <AvlblInd>	[0..1]	Indicator		1087
	TransactionRelatedData <TxRltdData>	[0..*]			1087
	PurchaseType <PurchsTp>	[0..1]	CodeSet		1088
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1088
	DiscountTotal <DscntTtl>	[0..1]			1088
	TotalAmount <TtlAmt>	[0..1]	Amount		1088
	FuelAmount <FuelAmt>	[0..1]	Amount		1088
	NonFuelAmount <NonFuelAmt>	[0..1]	Amount		1088
	TaxTotal <TaxTtl>	[0..*]	±		1089
	TotalAmount <TtlAmt>	[0..1]	Amount		1089
	AdditionalData <AddtlData>	[0..1]			1089
	EnteredDataNumeric <NtrdDataNmrc>	[0..1]	Text		1089
	EnteredDataAlphaNumeric <NtrdDataAlphaNmrc>	[0..1]	Text		1089

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..1]	Text		1090

44.1.8.49.2 Lineltem <Linelitm>

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.

Lineltem <Linelitm> contains the following elements (see "FleetLineltem1" on page 1093 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FuelIndicator <FuelInd>	[1..1]	Indicator		1094
	ServiceType <SvcTp>	[0..1]	CodeSet		1094
	FuelBrandCode <FuelBrndCd>	[0..1]	Text		1095
	FleetProductCode <FleetPdctCd>	[0..1]	Text		1095
	FleetProductCategory <FleetPdctCtgy>	[0..1]	Text		1095
	FleetProductQualifier <FleetPdctQlfr>	[0..1]	Text		1095
	FleetProductCodeAssigner <FleetPdctCdAssgnr>	[0..1]	Text		1095
	UnitPriceTaxIndicator <UnitPricTaxInd>	[0..1]	Indicator		1095
	UnitPrice <UnitPric>	[0..1]	Amount		1096
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1096
	OtherUnitOfMeasure <OthrUnitOfMeasr>	[0..1]	Text		1097
	ProductQuantity <PdctQty>	[0..1]	Text		1097
	DiscountAmount <DscntAmt>	[0..1]	Amount		1097
	NonTaxableIndicator <NonTaxblInd>	[0..1]	Indicator		1098
	Tax <Tax>	[0..*]	±		1098
	TotalAmountExcludingTax <TtlAmtExclgTax>	[0..1]	Amount		1098
	TotalAmountIncludingTax <TtlAmtInclgTax>	[0..1]	Amount		1098

44.1.8.50 Environment6

Definition: Environment of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1104
	Sender <Sndr>	[0..1]	±		1105
	Receiver <Rcvr>	[0..1]	±		1105
	Acceptor <Accptr>	[0..1]	±		1105
	Payer <Pyer>	[0..1]	±		1106
	Payee <Pyee>	[0..1]	±		1106
	Terminal <Termnl>	[0..1]			1107
	TerminalIdentification <TermnllId>	[0..1]	±		1107
	Capabilities <Cpblties>	[0..1]	±		1107
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	±		1108
	TerminalIntegration <TermnllIntgtn>	[0..1]	CodeSet		1108
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1109
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1109
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1109
	POIComponent <POICmpnt>	[0..*]	±		1110
	Card <Card>	[1..1]	±		1112
	CustomerDevice <CstmrDvc>	[0..1]	±		1112
	Wallet <Wlt>	[0..1]	±		1113
	Token <Tkn>	[0..1]	±		1113
	Cardholder <Crdhldr>	[0..1]	±		1113

44.1.8.50.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Identification of the acquirer.

ISO 8583 bit 32.

Acquirer <Acqrr> contains the following elements (see "PartyIdentification198" on page 1226 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1226
	Assigner <Assgnr>	[0..1]	CodeSet		1226
	Country <Ctry>	[0..1]	CodeSet		1227
	ShortName <ShrtNm>	[0..1]	Text		1227

44.1.8.50.2 Sender <Sndr>

Presence: [0..1]

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

ISO 8583 bit 33

Sender <Sndr> contains the following elements (see "[PartyIdentification198](#)" on page 1226 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1226
	Assigner <Assgnr>	[0..1]	CodeSet		1226
	Country <Ctry>	[0..1]	CodeSet		1227
	ShortName <ShrtNm>	[0..1]	Text		1227

44.1.8.50.3 Receiver <Rcvr>

Presence: [0..1]

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

ISO 8583 bit 100.

Receiver <Rcvr> contains the following elements (see "[PartyIdentification198](#)" on page 1226 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1226
	Assigner <Assgnr>	[0..1]	CodeSet		1226
	Country <Ctry>	[0..1]	CodeSet		1227
	ShortName <ShrtNm>	[0..1]	Text		1227

44.1.8.50.4 Acceptor <Accptr>

Presence: [0..1]

Definition: Card acceptor performing the card transaction.

Acceptor <Accptr> contains the following elements (see "PartyIdentification199" on page 1223 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1224
	Assigner <Assgnr>	[0..1]	Text		1224
	Country <Ctry>	[0..1]	CodeSet		1224
	ShortName <ShrtNm>	[0..1]	Text		1224
	AdditionalIdentification <AddtlId>	[0..1]	Text		1225
	NameAndLocation <NmAndLctn>	[0..1]	Text		1225
	Address <Adr>	[0..1]	±		1225
	Email <Email>	[0..1]	Text		1225
	URLAddress <URLAdr>	[0..1]	Text		1225
	PhoneNumber <PhneNb>	[0..1]	Text		1226
	CustomerService <CstmrSvc>	[0..1]	Text		1226
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1226
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1226

44.1.8.50.5 Payer <Pyer>

Presence: [0..1]

Definition: Person initiating a payment to the benefit of a payee.

Payer <Pyer> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

44.1.8.50.6 Payee <Pyee>

Presence: [0..1]

Definition: Person to the benefit of whom a payment is performed.

Payee <Pyee> contains the following elements (see "PartyIdentification211" on page 1236 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

44.1.8.50.7 Terminal <Termnl>*Presence:* [0..1]*Definition:* Payment terminal or ATM performing the transaction.**Terminal <Termnl>** contains the following **Terminal3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnlId>	[0..1]	±		1107
	Capabilities <Cpblties>	[0..1]	±		1107
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	±		1108
	TerminalIntegration <TermnlIntgtn>	[0..1]	CodeSet		1108
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1109
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1109
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1109
	POIComponent <POICmpnt>	[0..*]	±		1110

44.1.8.50.7.1 TerminalIdentification <TermnlId>*Presence:* [0..1]*Definition:* Identification of the terminal performing the transaction.**TerminalIdentification <TermnlId>** contains the following elements (see ["TerminalIdentification2"](#) on page 1272 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1273
	Type <Tp>	[0..1]	CodeSet		1273
	OtherType <OthrTp>	[0..1]	Text		1273
	Assigner <Assgnr>	[0..1]	Text		1273
	Country <Ctry>	[0..1]	Text		1273
	ShortName <ShrtNm>	[0..1]	Text		1274

44.1.8.50.7.2 Capabilities <Cpblties>*Presence:* [0..1]*Definition:* Capabilities of the terminal.

Capabilities <Cpblties> contains the following elements (see "[Capabilities1](#)" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <CardRdngCpblty>	[0..*]	CodeSet		1254
	OtherCardReadingCapabilities <OthrCardRdngCpblties>	[0..*]	Text		1255
	CardWritingCapabilities <CardWrtgCpblties>	[0..*]	CodeSet		1255
	OtherCardWritingCapabilities <OthrCardWrtgCpblties>	[0..*]	Text		1255
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1255
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1256
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1256
	PINPadInoperative <PINPadInprtv>	[0..1]	Indicator		1256
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1256
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		1257
	MessageCapabilities <MsgCpblties>	[0..*]			1257
	Destination <Dstn>	[1..1]	CodeSet		1257
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1257
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1258
	LineWidth <LineWidth>	[0..1]	Quantity		1258
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1258
	CardholderVerificationCapability <CrdhldrVrfctnCpblty>	[0..*]	±		1258

44.1.8.50.7.3 CardholderVerificationCapability <CrdhldrVrfctnCpblty>

Presence: [0..*]

Definition: Cardholder verification capabilities performing the transaction at the point of service.

ISO 8583:93 bit 22-2, ISO 8583:2003 bit 27-2

CardholderVerificationCapability <CrdhldrVrfctnCpblty> contains the following elements (see "[CardholderVerificationCapabilities1](#)" on page 1280 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Capability <Cpblty>	[1..1]	CodeSet		1280
	OtherCapability <OthrCpblty>	[0..1]	Text		1281

44.1.8.50.7.4 TerminalIntegration <TermnlIntgtgn>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: "[TerminalIntegrationCategory1Code](#)" on page 1521

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.

44.1.8.50.7.5 OutdoorIndicator <OutdrInd>

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 1530](#)):

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

44.1.8.50.7.6 OffPremisesIndicator <OffPrmissInd>

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.

ISO 8583:93 bit 22-4, ISO 8583:2003 bit 22-3.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.8.50.7.7 OnBoardIndicator <OnBrdInd>

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 1530](#)):

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

44.1.8.50.7.8 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 "PointOfInteractionComponent8" on page 1197 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1199
	Identification <Id>	[1..1]			1200
	ItemNumber <ItmNb>	[0..1]	Text		1200
	ProviderIdentification <PrvdrlId>	[0..1]	Text		1200
	Identification <Id>	[0..1]	Text		1200
	SerialNumber <SrlNb>	[0..1]	Text		1200
	Status <Sts>	[0..1]			1200
	VersionNumber <VrsnNb>	[0..1]	Text		1201
	Status <Sts>	[0..1]	CodeSet		1201
	ExpiryDate <XpryDt>	[0..1]	Date		1201
	StandardCompliance <StdCmplc>	[0..*]			1201
	Identification <Id>	[1..1]	Text		1201
	Version <Vrsn>	[1..1]	Text		1202
	Issuer <Issr>	[1..1]	Text		1202
	Characteristics <Chrtcs>	[0..1]			1202
	Memory <Mmry>	[0..*]			1202
	Identification <Id>	[1..1]	Text		1203
	TotalSize <TtlSz>	[1..1]	Quantity		1203
	FreeSize <FreeSz>	[1..1]	Quantity		1203
	Unit <Unit>	[1..1]	CodeSet		1203
	Communication <Com>	[0..*]			1203
	CommunicationType <ComTp>	[1..1]	CodeSet		1204
	RemoteParty <RmotPty>	[1..*]	CodeSet		1204
	Active <Actv>	[1..1]	Indicator		1205
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1205
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1205
	SecurityElement <SctyElmt>	[0..*]	±		1205
	Assessment <Assmnt>	[0..*]			1206
	Type <Tp>	[1..1]	CodeSet		1206
	Assigner <Assgnr>	[1..*]	Text		1207

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1207
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1207
	Number <Nb>	[1..1]	Text		1207

44.1.8.50.8 Card <Card>

Presence: [1..1]

Definition: Card or payment token performing the transaction.

Card <Card> contains the following elements (see "[CardData3](#)" on page 887 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		887
	ProtectedPANIndicator <PrtctdPANInd>	[0..1]	Indicator		887
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		888
	EffectiveDate <FctvDt>	[0..1]	Text		888
	ExpiryDate <XpryDt>	[0..1]	Text		888
	PaymentAccountReference <PmtAcctRef>	[0..1]	Text		888
	PANReferenceIdentifier <PANRefldr>	[0..1]	Text		889
	PANAccountRange <PANAcctRg>	[0..1]	Text		889
	CardCountryCode <CardCtryCd>	[0..1]	CodeSet		889
	CardProductType <CardPdctTp>	[0..1]	Text		889
	CardProductSubType <CardPdctSubTp>	[0..1]	Text		889
	CardPortfolioIdentifier <CardPrtlflldr>	[0..1]	Text		889
	AdditionalCardData <AddtlCardData>	[0..1]	Text		889

44.1.8.50.9 CustomerDevice <CstmrDvc>

Presence: [0..1]

Definition: Identification of the customer device performing the transaction.

CustomerDevice <CstmrDvc> contains the following elements (see "[CustomerDevice2](#)" on page 1132 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

44.1.8.50.10 Wallet <Wlt>*Presence:* [0..1]*Definition:* Container for tenders used by the customer to perform the payment transaction.**Wallet <Wlt>** contains the following elements (see "Wallet1" on page 838 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Provider <Prvdr>	[0..1]	±		839
	AdditionalWalletData <AddtlWltData>	[0..1]	Text		839

44.1.8.50.11 Token <Tkn>*Presence:* [0..1]*Definition:* Details of payment token.**Token <Tkn>** contains the following elements (see "Token1" on page 1438 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

44.1.8.50.12 Cardholder <Crdhldr>*Presence:* [0..1]*Definition:* Cardholder performing the card payment transaction.**Cardholder <Crdhldr>** contains the following elements (see "Cardholder15" on page 1188 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

44.1.8.51 DriverInParty1*Definition:* Driver in a car rental party

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1114
	Address <Adr>	[0..1]	±		1114
	Contact <Ctct>	[0..1]	±		1115
	DateOfBirth <DtOfBirth>	[0..1]	Date		1115
	Age <Age>	[0..1]	Text		1116
	DriverCredential <DrvrCrdntl>	[0..*]			1116
	Type <Tp>	[1..1]	CodeSet		1116
	Form <Form>	[0..1]	CodeSet		1117
	Identification <Id>	[1..1]	Text		1117
	Assigner <Assgnr>	[0..1]	Text		1117
	IssuanceDate <IssncDt>	[0..1]	Date		1117
	ExpirationDate <XprtnDt>	[0..1]	Date		1117
	Country <Ctry>	[0..1]	Text		1118
	DrivingLicense <DrvgLic>	[0..1]			1118
	Type <Tp>	[0..1]	Text		1118
	Form <Form>	[0..1]	CodeSet		1118
	Identification <Id>	[1..1]	Text		1119
	Assigner <Assgnr>	[0..1]	CodeSet		1119
	IssuanceDate <IssncDt>	[0..1]	Date		1119
	ExpirationDate <XprtnDt>	[0..1]	Date		1119
	Country <Ctry>	[0..1]	Text		1119
	State <Stat>	[0..1]	Text		1119
	Province <Prvc>	[0..1]	Text		1119
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1120

44.1.8.51.1 Name <Nm>

Presence: [0..1]

Definition: Name of vehicle rental driver.

Datatype: "Max70Text" on page 1541

44.1.8.51.2 Address <Adr>

Presence: [0..1]

Definition: Address of driver in party.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.51.3 Contact <Ctct>

Presence: [0..1]

Definition: Contact details of driver in party.

Contact <Ctct> contains the following elements (see "Contact6" on page 1230 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.8.51.4 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of vehicle rental driver.

Datatype: "ISODate" on page 1530

44.1.8.51.5 Age <Age>

Presence: [0..1]

Definition: Age of driver.

Datatype: "Max2NumericText" on page 1538

44.1.8.51.6 DriverCredential <DrvrCrdntl>

Presence: [0..*]

Definition: Credential used by the driver for identification.

DriverCredential <DrvrCrdntl> contains the following **TravelDocument1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1116
	Form <Form>	[0..1]	CodeSet		1117
	Identification <Id>	[1..1]	Text		1117
	Assigner <Assgnr>	[0..1]	Text		1117
	IssuanceDate <IssncDt>	[0..1]	Date		1117
	ExpirationDate <XprtnDt>	[0..1]	Date		1117
	Country <Ctry>	[0..1]	Text		1118

44.1.8.51.6.1 Type <Tp>

Presence: [1..1]

Definition: Type of travel document.

Datatype: "OfficialDocumentType1Code" on page 1503

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.
OTHN	OtherNational	Other type of official document defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of official document defined at private level.
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.

44.1.8.51.6.2 Form <Form>

Presence: [0..1]

Definition: Form of travel document.

Datatype: "PresentationMedium2Code" on page 1513

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.

44.1.8.51.6.3 Identification <Id>

Presence: [1..1]

Definition: Identification of travel document (for example, passport number).

Datatype: "Max70Text" on page 1541

44.1.8.51.6.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Party assigning the travel document.

Datatype: "Max70Text" on page 1541

44.1.8.51.6.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Issuance date of travel document.

Datatype: "ISODate" on page 1530

44.1.8.51.6.6 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of travel document (if and when relevant).

Datatype: "ISODate" on page 1530

44.1.8.51.6.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the travel document.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.51.7 DrivingLicense <DrvLic>

Presence: [0..1]

Definition: Driving license details.

DrivingLicense <DrvLic> contains the following **DrivingLicense1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1118
	Form <Form>	[0..1]	CodeSet		1118
	Identification <Id>	[1..1]	Text		1119
	Assigner <Assgnr>	[0..1]	CodeSet		1119
	IssuanceDate <IssncDt>	[0..1]	Date		1119
	ExpirationDate <XprtnDt>	[0..1]	Date		1119
	Country <Ctry>	[0..1]	Text		1119
	State <Stat>	[0..1]	Text		1119
	Province <Prvc>	[0..1]	Text		1119
	OtherAuthority <OthrAuthrty>	[0..1]	Text		1120

44.1.8.51.7.1 Type <Tp>

Presence: [0..1]

Definition: Type of driving license.

Datatype: "Max70Text" on page 1541

44.1.8.51.7.2 Form <Form>

Presence: [0..1]

Definition: Form of driving license.

Datatype: "PresentationMedium2Code" on page 1513

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.

44.1.8.51.7.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the driver license (for example, driver license number).

Datatype: "Max70Text" on page 1541

44.1.8.51.7.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Authority assigning an identification to a driver license.

Datatype: "LegalStructure1Code" on page 1494

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.

44.1.8.51.7.5 IssuanceDate <IssncDt>

Presence: [0..1]

Definition: Date of issuance of the driving license.

Datatype: "ISODate" on page 1530

44.1.8.51.7.6 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of the driving license (if and when relevant).

Datatype: "ISODate" on page 1530

44.1.8.51.7.7 Country <Ctry>

Presence: [0..1]

Definition: Country issuing the driver license.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.8.51.7.8 State <Stat>

Presence: [0..1]

Definition: State issuing the driver license (if and when relevant).

Datatype: "Max16Text" on page 1536

44.1.8.51.7.9 Province <Prvc>

Presence: [0..1]

Definition: Province issuing the driver license (if and when relevant).

Datatype: "Max16Text" on page 1536

44.1.8.51.7.10 OtherAuthority <OthrAuthrty>

Presence: [0..1]

Definition: Other authority issuing a driver license.

Datatype: "Max16Text" on page 1536

44.1.8.52 Distance¹

Definition: Distance between a start and a return car rental period.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitOfMeasure <UnitOfMeasr>	[0..1]	CodeSet		1120
	OdometerStart <OdmtrStart>	[0..1]	Text		1120
	OdometerReturn <OdmtrRtr>	[0..1]	Text		1120
	TotalDistance <TtlDstnc>	[0..1]	Text		1120
	FreeDistance <FreeDstnc>	[0..1]	Text		1121
	Rate <Rate>	[0..1]	Amount		1121

44.1.8.52.1 UnitOfMeasure <UnitOfMeasr>

Presence: [0..1]

Definition: Unit of measure used to compute the distance.

Datatype: "UnitOfMeasure10Code" on page 1526

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.

44.1.8.52.2 OdometerStart <OdmtrStart>

Presence: [0..1]

Definition: Odometer reading at start of rental (at the time of vehicle check-out).

Datatype: "Max10NumericText" on page 1535

44.1.8.52.3 OdometerReturn <OdmtrRtr>

Presence: [0..1]

Definition: Odometer reading at return of rental (at the time of vehicle check-in).

Datatype: "Max10NumericText" on page 1535

44.1.8.52.4 TotalDistance <TtlDstnc>

Presence: [0..1]

Definition: Total distance expressed in unit of measure.

Datatype: "Max10NumericText" on page 1535

44.1.8.52.5 FreeDistance <FreeDstnc>

Presence: [0..1]

Definition: Maximum free miles or kilometres for the car rental period.

Datatype: "Max10NumericText" on page 1535

44.1.8.52.6 Rate <Rate>

Presence: [0..1]

Definition: Defines the rate in relation to a specific distance.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.53 DepartureOrArrival2

Definition: Contains departure or arrival information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CarrierCode <CrrierCd>	[0..1]	Text		1121
	RouteNumber <RouteNb>	[0..1]	Text		1121
	Date <Dt>	[0..1]	Date		1121
	Time <Tm>	[0..1]	Time		1121

44.1.8.53.1 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 1539

44.1.8.53.2 RouteNumber <RouteNb>

Presence: [0..1]

Definition: Route number (for example, flight number, bus number, train route or number, etc.)

Datatype: "Max35NumericText" on page 1539

44.1.8.53.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 1530

44.1.8.53.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 1543

44.1.8.54 DepartureOrArrival1

Definition: Contains departure or arrival information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]	Text		1122
	Description <Desc>	[0..1]	Text		1122
	Date <Dt>	[0..1]	Date		1122
	Time <Tm>	[0..1]	Time		1122

44.1.8.54.1 Location <Lctn>

Presence: [0..1]

Definition: Departure or arrival location (for example, city, airport code, station id, etc).

Datatype: "Max70Text" on page 1541

44.1.8.54.2 Description <Desc>

Presence: [0..1]

Definition: Specific explanation of the location or directions.

Datatype: "Max256Text" on page 1538

44.1.8.54.3 Date <Dt>

Presence: [0..1]

Definition: Departure or arrival date.

Datatype: "ISODate" on page 1530

44.1.8.54.4 Time <Tm>

Presence: [0..1]

Definition: Departure or arrival time.

Datatype: "ISOTime" on page 1543

44.1.8.55 DeliveryInformation3

Definition: Delivery information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryNoteNumber <DivryNoteNb>	[0..1]	Text		1123
	Address <Adr>	[0..1]	±		1123
	Contact <Ctct>	[0..1]	±		1123
	Instructions <Instrs>	[0..1]	Text		1124
	Date <Dt>	[0..1]	Date		1124
	Time <Tm>	[0..1]	Time		1124

44.1.8.55.1 DeliveryNoteNumber <DlvryNoteNb>

Presence: [0..1]

Definition: Contains the number identifying an individual delivery note.

Datatype: "Max35Text" on page 1539

44.1.8.55.2 Address <Adr>

Presence: [0..1]

Definition: Delivery address.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.8.55.3 Contact <Ctct>

Presence: [0..1]

Definition: Contact for delivery.

Contact <Ctct> contains the following elements (see "Contact6" on page 1230 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.8.55.4 Instructions <Instrs>

Presence: [0..1]

Definition: Special instructions.

Datatype: "Max350Text" on page 1538

44.1.8.55.5 Date <Dt>

Presence: [0..1]

Definition: Contains the package delivery date.

Datatype: "ISODate" on page 1530

44.1.8.55.6 Time <Tm>

Presence: [0..1]

Definition: Contains the package delivery time.

Datatype: "ISOTime" on page 1543

44.1.8.56 Context3

Definition: Context in which the card payment transaction is performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PointOfServiceContext <PtOfSvcCntxt>	[0..1]	±		1125
	TransactionContext <TxCntxt>	[1..1]	±		1126
	Verification <Vrfctn>	[0..*]	±		1127
	RiskContext <RskCntxt>	[0..1]	±		1127
	SaleContext <SaleCntxt>	[0..1]	±		1128

44.1.8.56.1 PointOfServiceContext <PtOfSvcCntxt>

Presence: [0..1]

Definition: Context of the card payment transaction at the point of service.

PointOfServiceContext <PtOfSvcCntxt> contains the following elements (see "PointOfServiceContext1" on page 1265 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

44.1.8.56.2 TransactionContext <TxCntxt>

Presence: [1..1]

Definition: Context of the card payment transaction.

TransactionContext <TxCntxt> contains the following elements (see "[TransactionContext1](#)" on page 941 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MerchantCategoryCode <MrchntCtgyCd>	[1..1]	Text		941
	MerchantCategorySpecificData <MrchntCtgySpcfcData>	[0..1]	Text		941
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		942
	ICCFallbackIndicator <ICCFllbckInd>	[0..1]	Indicator		942
	MagneticStripeFallbackIndicator <MgntcStrpFllbckInd>	[0..1]	Indicator		942
	LatePresentmentIndicator <LatePresntmntInd>	[0..1]	Indicator		942
	FinalAuthorisationIndicator <FnlAuthstnInd>	[0..1]	Indicator		943
	DeferredDeliveryIndicator <DfrrdDlvryInd>	[0..1]	Indicator		943
	TransactionInitiator <TxInitr>	[0..1]	CodeSet		943
	CardProgramme <CardPrgrmm>	[0..1]	±		943
	SettlementService <SttlmSvc>	[0..1]	±		944
	Reconciliation <Rcncltn>	[0..1]	±		945
	CaptureDate <CaptrDt>	[0..1]	Date		945

44.1.8.56.3 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 "[Verification2](#)" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

44.1.8.56.4 RiskContext <RskCntxt>

Presence: [0..1]

Definition: Context of risk associated with the transaction.

RiskContext <RskCntxt> contains the following elements (see "[RiskContext1](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

44.1.8.56.5 SaleContext <SaleCntxt>

Presence: [0..1]

Definition: Context of the sale associated with the card payment transaction.

SaleContext <SaleCntxt> contains the following elements (see "[SaleContext7](#)" on page 987 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SaleIdentification <SaleId>	[0..1]	Text		987
	SaleReferenceIdentification <SaleRefId>	[0..1]	Text		988
	SaleReferenceNumber <SaleRefNb>	[0..1]	Text		988
	GoodsAndServicesType <GoodsAndSvcsTp>	[0..1]	CodeSet		988
	GoodAndServicesSubType <GoodAndSvcsSubTp>	[0..1]	CodeSet		988
	GoodAndServicesOtherSubType <GoodAndSvcsOthrSubTp>	[0..1]	Text		988
	SplitPaymentIndicator <SpltPmtInd>	[0..1]	Indicator		988
	ReceiptRequestIndicator <RctReqInd>	[0..1]	Indicator		989
	ReceiptType <RctTp>	[0..*]	CodeSet		989
	ReceiptDestination <RctDstn>	[0..1]	Text		989

44.1.8.57 AncillaryPurchase1

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
	AncillaryDocumentNumber <AncllryDocNb>	[0..1]	Text		1129
	RelatedDocumentNumber <RltdDocNb>	[0..1]	Text		1129
	ServiceCategoryCode <SvcCtgyCd>	[0..1]	Text		1129
	ServiceSubCategoryCode <SvcSubCtgyCd>	[0..1]	Text		1129
	ServiceProviderServiceType <SvcPrvdrSvcTp>	[0..1]	Text		1129
	CreditReasonCode <CdtRsnCd>	[0..1]	Text		1130
	SummaryCommodityIdentification <SummryCmmdtyId>	[0..1]	Text		1130
	Amount <Amt>	[0..1]	±		1130
	Fee <Fee>	[0..1]	Amount		1130
	Tax <Tax>	[1..*]	±		1130
	AdditionalData <AddtlData>	[0..1]	Text		1131

44.1.8.57.1 AncillaryDocumentNumber <AncllryDocNb>

Presence: [0..1]

Definition: Contains the form number assigned by the carrier for the transaction.

Datatype: "Max15Text" on page 1536

44.1.8.57.2 RelatedDocumentNumber <RltdDocNb>

Presence: [0..1]

Definition: Document number of related transport details.

Datatype: "Max15Text" on page 1536

44.1.8.57.3 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 1540

44.1.8.57.4 ServiceSubCategoryCode <SvcSubCtgyCd>

Presence: [0..1]

Definition: Contains ancillary service sub category code.

Datatype: "Max4Text" on page 1540

44.1.8.57.5 ServiceProviderServiceType <SvcPrvdrSvcTp>

Presence: [0..1]

Definition: Proprietary service type code assigned by the service provider.

Datatype: "Max35Text" on page 1539

44.1.8.57.6 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 1539

44.1.8.57.7 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 1539

44.1.8.57.8 Amount <Amt>

Presence: [0..1]

Definition: Ancillary purchase amount.

Amount <Amt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.8.57.9 Fee <Fee>

Presence: [0..1]

Definition: Subfield contains the ancillary fee amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.8.57.10 Tax <Tax>

Presence: [1..*]

Definition: Taxes related to the products or services.

Tax <Tax> contains the following elements (see "Tax33" on page 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.8.57.11 AdditionalData <AddtlData>

Presence: [0..1]

Definition: Additional user-defined data pertaining to the transportation.

Datatype: "Max350Text" on page 1538

44.1.8.58 AdditionalService1

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		1131
	OtherType <OthrTp>	[0..1]	Text		1131

44.1.8.58.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional service applied to the transaction.

Datatype: "AdditionalServiceType1Code" on page 1461

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
OTHN	OtherNational	Other type of additional service at national level
OTHP	OtherPrivate	Other type of additional service at private level
PRST	PreStagedTransaction	Withdrawal transaction was pre-authorised by another channel (amount could be absent).

44.1.8.58.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other additional service applied to the transaction.

Datatype: "Max35Text" on page 1539

44.1.8.59 AddendumData2

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
	Fleet <Fleet>	[0..1]	±		1132
	AdditionalData <AddtlData>	[0..*]			1132
	Type <Tp>	[0..1]	Text		1132
	Value <Val>	[0..1]	Text		1132

44.1.8.59.1 Fleet <Fleet>

Presence: [0..1]

Definition: Fleet data pertaining to the payment transaction.

Fleet <Fleet> contains the following elements (see "[FleetData3](#)" on page 1098 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LineItem <Lineitm>	[0..*]	±		1099

44.1.8.59.2 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data for the addendum.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1132
	Value <Val>	[0..1]	Text		1132

44.1.8.59.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.8.59.2.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.9 Customer Device

44.1.9.1 CustomerDevice2

Definition: Details of the customer device.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	±		1133
	Identification <Id>	[0..1]	Text		1133
	Provider <Prvdr>	[0..1]	Text		1133

44.1.9.1.1 Device <Dvc>

Presence: [0..1]

Definition: Information about the customer device.

Device <Dvc> contains the following elements (see ["Device1" on page 1133](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1134
	OtherType <OthrTp>	[0..1]	Text		1134
	Language <Lang>	[0..1]	CodeSet	C3	1134
	PhoneNumber <PhneNb>	[0..1]	Text		1135
	Location <Lctn>	[0..1]			1135
	Latitude <Lat>	[1..1]	Text		1135
	Longitude <Long>	[1..1]	Text		1135
	IPAddress <IPAdr>	[0..1]	Text		1135
	Email <Email>	[0..1]	Text		1135

44.1.9.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the customer device.

Datatype: ["Max70Text" on page 1541](#)

44.1.9.1.3 Provider <Prvdr>

Presence: [0..1]

Definition: Provider of the customer device.

Datatype: ["Max35Text" on page 1539](#)

44.1.9.2 Device1

Definition: Identification of the customer device.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1134
	OtherType <OthrTp>	[0..1]	Text		1134
	Language <Lang>	[0..1]	CodeSet	C3	1134
	PhoneNumber <PhneNb>	[0..1]	Text		1135
	Location <Lctn>	[0..1]			1135
	Latitude <Lat>	[1..1]	Text		1135
	Longitude <Long>	[1..1]	Text		1135
	IPAddress <IPAdr>	[0..1]	Text		1135
	Email <Email>	[0..1]	Text		1135

44.1.9.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of customer device.

Datatype: "CustomerDeviceType1Code" on page 1483

CodeName	Name	Definition
MOBL	Mobile	Mobile phone
OTHN	OtherNational	Other device defined at national level
OTHP	OtherPrivate	Other device defined in a private way.
PECR	PersonalComputer	Personal computer
TBLT	Tablet	Tablet
NSCR	NonSecureCardReader	Non-secure card reader attached to the customer device.
SECR	SecureCardReader	Secure card reader attached to the customer device

44.1.9.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of customer device in free text.

Datatype: "Max35Text" on page 1539

44.1.9.2.3 Language <Lang>

Presence: [0..1]

Definition: Preferred language set on the device

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.9.2.4 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Phone number associated with the device.

Datatype: "PhoneNumber" on page 1543

44.1.9.2.5 Location <Lctn>

Presence: [0..1]

Definition: Geographical location of the device.

Location <Lctn> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1135
	Longitude <Long>	[1..1]	Text		1135

44.1.9.2.5.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude measured in degrees, minutes and seconds, following by 'N' for the north and 'S' for the south of the equator (for example 48°51'29" N for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1536

44.1.9.2.5.2 Longitude <Long>

Presence: [1..1]

Definition: Angular measurement of the distance of a location on the earth east or west of the Greenwich observatory.

The longitude is measured in degrees, minutes and seconds, following by 'E' for the east and 'W' for the west (for example 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1536

44.1.9.2.6 IPAddress <IPAdr>

Presence: [0..1]

Definition: Internet Protocol address associated with the device.

Datatype: "Max70Text" on page 1541

44.1.9.2.7 Email <Email>

Presence: [0..1]

Definition: Electronic mail address associated with the device.

Datatype: "Max256Text" on page 1538

44.1.10 De Minimus

44.1.10.1 DepositDetails1

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		1136
	OtherType <OthrTp>	[0..1]	Text		1136
	Amount <Amt>	[0..1]	±		1136

44.1.10.1.1 Type <Tp>

Presence: [1..1]

Definition: Funding source used for deposit.

Datatype: "CardDepositType1Code" on page 1477

CodeName	Name	Definition
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
ENVL	Envelope	Envelope
CHEC	Cheque	Cheque
CASH	Cash	Cash

44.1.10.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other funding source used for deposit.

Datatype: "Max35Text" on page 1539

44.1.10.1.3 Amount <Amt>

Presence: [0..1]

Definition: Amount of the deposit.

Amount <Amt> contains the following elements (see "Amount5" on page 856 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		856
	Sign <Sgn>	[0..1]	Indicator		857

44.1.11 Dispute

44.1.11.1 DisputeData1

Definition: Data to be present in a dispute.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentmentCycle <PresntmntCycl>	[0..1]	Text		1137
	DisputeCondition <DsptCond>	[0..1]	Text		1137
	DisputeStatus <DsptSts>	[0..1]	Text		1137
	PartialDispute <PrtlDspt>	[0..1]	Indicator		1137
	DisputeReference <DsptRef>	[0..*]	±		1137
	DocumentationStatus <DcmnttnSts>	[0..1]	Text		1138
	AdditionalDisputeData <AddtlDsptData>	[0..1]	Text		1138
	DisputeRejectReason <DsptRjctRsn>	[0..*]	Text		1138
	ChargebackEligibility <ChrgbckElgblty>	[0..1]	Text		1138

44.1.11.1.1 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 1533

44.1.11.1.2 DisputeCondition <DsptCond>

Presence: [0..1]

Definition: Condition of the dispute.

Datatype: "Max35Text" on page 1539

44.1.11.1.3 DisputeStatus <DsptSts>

Presence: [0..1]

Definition: Status of dispute.

Datatype: "Max35Text" on page 1539

44.1.11.1.4 PartialDispute <PrtlDspt>

Presence: [0..1]

Definition: Partial dispute indicator.

Datatype: One of the following values must be used (see "YesNoIndicator" on page 1531):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.11.1.5 DisputeReference <DsptRef>

Presence: [0..*]

Definition: Reference for the dispute.

DisputeReference <DsptRef> contains the following elements (see "DisputeReference1" on page 1138 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

44.1.11.1.6 DocumentationStatus <DcmnttnSts>

Presence: [0..1]

Definition: Status of the dispute documentation.

Datatype: "Max35Text" on page 1539

44.1.11.1.7 AdditionalDisputeData <AddtlDsptData>

Presence: [0..1]

Definition: Additional information related to the dispute.

Datatype: "Max1000Text" on page 1534

44.1.11.1.8 DisputeRejectReason <DsptRjctRsn>

Presence: [0..*]

Definition: Reason for rejecting a dispute.

Datatype: "Max35Text" on page 1539

44.1.11.1.9 ChargebackEligibility <ChrgbckElgblty>

Presence: [0..1]

Definition: Provides transaction chargeback eligibility conditions.

Datatype: "Max35Text" on page 1539

44.1.11.2 DisputeReference1

Definition: Contains dispute reference details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AssignerEntity <AssgnrNtty>	[0..1]	CodeSet		1139
	OtherAssignerEntity <OthrAssgnrNtty>	[0..1]	Text		1139
	DisputeIdentification <DsptId>	[1..*]			1139
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

44.1.11.2.1 AssignerEntity <AssgnrNtty>

Presence: [0..1]

Definition: Name of the entity assigning the dispute reference.

Datatype: "PartyType32Code" on page 1509

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ISUR	Issuer	Issuer is the entitled party.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.11.2.2 OtherAssignerEntity <OthrAssgnrNtty>

Presence: [0..1]

Definition: Other assigner entity.

Datatype: "Max35Text" on page 1539

44.1.11.2.3 DisputeIdentification <Dsptld>

Presence: [1..*]

Definition: Identification of the dispute.

DisputeIdentification <Dsptld> contains the following **DisputeIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1139
	Identification <Id>	[1..1]	Text		1139

44.1.11.2.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of dispute.

Datatype: "Max35Text" on page 1539

44.1.11.2.3.2 Identification <Id>

Presence: [1..1]

Definition: Identification of dispute.

Datatype: "Max70Text" on page 1541

44.1.12 Financial Institution Identification

44.1.12.1 FinancialInstitution4

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		1140
	Name <Nm>	[0..1]	Text		1140
	Address <Adr>	[0..1]	±		1140
	Email <Email>	[0..1]	Text		1141
	URLAddress <URLAdr>	[0..1]	Text		1141
	PhoneNumber <PhneNb>	[0..1]	Text		1141
	CustomerService <CstmrSvc>	[0..1]	Text		1141
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1141

44.1.12.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the financial institution.

Datatype: "Max35Text" on page 1539

44.1.12.1.2 Name <Nm>

Presence: [0..1]

Definition: Name of the financial institution.

Datatype: "Max70Text" on page 1541

44.1.12.1.3 Address <Adr>

Presence: [0..1]

Definition: Address of the financial institution.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.12.1.4 Email <Email>

Presence: [0..1]

Definition: Electronic mail address of the financial institution.

Datatype: "Max256Text" on page 1538

44.1.12.1.5 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address of the financial institution.

Datatype: "Max256Text" on page 1538

44.1.12.1.6 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "Max35Text" on page 1539

44.1.12.1.7 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer services.

Datatype: "Max35Text" on page 1539

44.1.12.1.8 AdditionalContactInformation <AddtlCtctInf>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the financial institution, for instance dispute manager name.

Datatype: "Max256Text" on page 1538

44.1.13 Fraud

44.1.13.1 ReportedFraud1

Definition: Fraud reporting type information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudType <FrdTp>	[1..1]	CodeSet		1142
	OtherFraudType <OthrFrdTp>	[0..1]	Text		1143
	FraudReportingAction <FrdRptgActn>	[1..1]	CodeSet		1143
	OtherFraudReportingAction <OthrFrdRptgActn>	[0..1]	Text		1144
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1144
	OtherReportingEntity <OthrRptgNtty>	[0..1]	Text		1144
	CompromisedCredential <CmprmsdCrdntl>	[0..*]	CodeSet		1144
	CardholderReportingDate <CrdhldrRptgDt>	[0..1]	Date		1147
	ConfirmationReportingDate <ConfRptgDt>	[0..1]	Date		1147
	SubmitterCaseReference <SubmtrCaseRef>	[0..1]	Text		1147
	FraudCaseDetails <FrdCaseDtls>	[0..1]			1147
	MarketSegment <MktSgmt>	[0..1]	Text		1148
	LocatorNumber <LctrNb>	[0..1]	Text		1148
	CaseReference <CaseRef>	[0..1]	Text		1148
	ArrestIndicator <ArrstInd>	[0..1]	Indicator		1148
	FraudInvestigationStatus <FrdInvstgtnSts>	[0..1]	Text		1148

44.1.13.1.1 FraudType <FrdTp>

Presence: [1..1]

Definition: Type of fraud for which a report is established.

Datatype: "FraudType1Code" on page 1488

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.
OTHN	OtherNational	Other type of fraud defined at national level.
OTHP	OtherPrivate	Other type of fraud defined at private level.
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.

44.1.13.1.2 OtherFraudType <OthrFrdTp>

Presence: [0..1]

Definition: Other type of fraud.

Datatype: "Max35Text" on page 1539

44.1.13.1.3 FraudReportingAction <FrdRptgActn>

Presence: [1..1]

Definition: Identifies the type of reported fraudulent transaction.

Datatype: "FraudReportingAction1Code" on page 1487

CodeName	Name	Definition
DUPL	Duplicate	Fraud information already reported.
CLSE	Close	Closing a previously reported fraud.
NEWF	New	New fraud information not reported yet.
OTHN	OtherNational	Other process about a fraud already reported defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other process about a fraud already reported defined at private level.
REOP	Reopen	Reopen a previously closed reported fraud case
UPDT	Update	Update information about a fraud already reported.

44.1.13.1.4 OtherFraudReportingAction <OthrFrdRptgActn>

Presence: [0..1]

Definition: Other fraud reporting action.

Datatype: "Max35Text" on page 1539

44.1.13.1.5 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity.

Datatype: "PartyType26Code" on page 1508

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.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.13.1.6 OtherReportingEntity <OthrRptgNtty>

Presence: [0..1]

Definition: Other type of fraud reporting entity.

Datatype: "Max35Text" on page 1539

44.1.13.1.7 CompromisedCredential <CmprmsdCrdntl>

Presence: [0..*]

Definition: Identifies the type of cardholder credential that was compromised.

Datatype: "AuthenticationMethod11Code" on page 1471

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.
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.

CodeName	Name	Definition
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.
OTHN	OtherNational	Other type of verification defined at national level.
OTHP	OtherPrivate	Other type of verification defined at private level
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.
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.

CodeName	Name	Definition
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.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).

44.1.13.1.8 CardholderReportingDate <CrdhldrRptgDt>

Presence: [0..1]

Definition: Date of fraud as reported by the cardholder

Datatype: "ISODate" on page 1530

44.1.13.1.9 ConfirmationReportingDate <ConfRptgDt>

Presence: [0..1]

Definition: Date fraud was confirmed by the cardholder.

Datatype: "ISODate" on page 1530

44.1.13.1.10 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 1539

44.1.13.1.11 FraudCaseDetails <FrdCaseDtls>

Presence: [0..1]

Definition: Details of fraudulent case.

FraudCaseDetails <FrdCaseDtls> contains the following **FraudCaseDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MarketSegment <MktSgmt>	[0..1]	Text		1148
	LocatorNumber <LctrNb>	[0..1]	Text		1148
	CaseReference <CaseRef>	[0..1]	Text		1148
	ArrestIndicator <ArrstInd>	[0..1]	Indicator		1148

44.1.13.1.11.1 MarketSegment <MktSgmt>

Presence: [0..1]

Definition: Type of market segment of confirmed fraud.

Datatype: "Max35Text" on page 1539

44.1.13.1.11.2 LocatorNumber <LctrNb>

Presence: [0..1]

Definition: Locator reference.

Datatype: "Max35Text" on page 1539

44.1.13.1.11.3 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference to fraudulent case.

Datatype: "Max35Text" on page 1539

44.1.13.1.11.4 ArrestIndicator <ArrstInd>

Presence: [0..1]

Definition: Indicates whether the party that committed fraud was arrested or not.

False: the party was not arrested

True: the party was arrested

Default: False

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.13.1.12 FraudInvestigationStatus <FrdInvstgtnSts>

Presence: [0..1]

Definition: Status of submitter investigation at time of submission.

Datatype: "Max256Text" on page 1538

44.1.13.2 ReportedFraud2

Definition: Fraud reporting type information

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FraudType <FrdTp>	[1..1]	CodeSet		1149
	OtherFraudType <OthrFrdTp>	[0..1]	Text		1150
	FraudReportingAction <FrdRptgActn>	[1..1]	CodeSet		1150
	OtherFraudReportingAction <OthrFrdRptgActn>	[0..1]	Text		1150
	ReportingEntity <RptgNtty>	[1..1]	CodeSet		1151
	OtherReportingEntity <OthrRptgNtty>	[0..1]	Text		1151
	SubmitterCaseReference <SubmitrCaseRef>	[0..1]	Text		1151
	CaseReference <CaseRef>	[0..1]	Text		1151

44.1.13.2.1 FraudType <FrdTp>

Presence: [1..1]

Definition: Type of fraud for which a report is established.

Datatype: "FraudType1Code" on page 1488

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.

CodeName	Name	Definition
OTHN	OtherNational	Other type of fraud defined at national level.
OTHP	OtherPrivate	Other type of fraud defined at private level.
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.

44.1.13.2.2 OtherFraudType <OthrFrdTp>

Presence: [0..1]

Definition: Other type of fraud.

Datatype: "Max35Text" on page 1539

44.1.13.2.3 FraudReportingAction <FrdRptgActn>

Presence: [1..1]

Definition: Identifies the type of reported fraudulent transaction.

Datatype: "FraudReportingAction1Code" on page 1487

CodeName	Name	Definition
DUPL	Duplicate	Fraud information already reported.
CLSE	Close	Closing a previously reported fraud.
NEWF	New	New fraud information not reported yet.
OTHN	OtherNational	Other process about a fraud already reported defined at national level.
OTHP	OtherPrivate	Other process about a fraud already reported defined at private level.
REOP	Reopen	Reopen a previously closed reported fraud case
UPDT	Update	Update information about a fraud already reported.

44.1.13.2.4 OtherFraudReportingAction <OthrFrdRptgActn>

Presence: [0..1]

Definition: Other fraud reporting action.

Datatype: "Max35Text" on page 1539

44.1.13.2.5 ReportingEntity <RptgNtty>

Presence: [1..1]

Definition: Type of fraud reporting entity.

Datatype: "PartyType25Code" on page 1507

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.13.2.6 OtherReportingEntity <OthrRptgNtty>

Presence: [0..1]

Definition: Other type of fraud reporting entity.

Datatype: "Max35Text" on page 1539

44.1.13.2.7 SubmitterCaseReference <SubmitrCaseRef>

Presence: [0..1]

Definition: Reference to the case as provided by the submitter.

Datatype: "Max35Text" on page 1539

44.1.13.2.8 CaseReference <CaseRef>

Presence: [0..1]

Definition: Reference to fraudulent case.

Datatype: "Max35Text" on page 1539

44.1.14 Miscellaneous

44.1.14.1 SupplementaryData1

Definition: Additional information that can not be captured in the structured fields and/or any other specific block.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlaceAndName <PlcAndNm>	[0..1]	Text		1152
	Envelope <Envlp>	[1..1]	(External Schema)		1152

Constraints

- **SupplementaryDataRule**

This component may not be used without the explicit approval of a SEG and submission to the RA of ISO 20022 compliant structure(s) to be used in the Envelope element.

44.1.14.1.1 PlaceAndName <PlcAndNm>

Presence: [0..1]

Definition: Unambiguous reference to the location where the supplementary data must be inserted in the message instance.

In the case of XML, this is expressed by a valid XPath.

Datatype: "Max350Text" on page 1538

44.1.14.1.2 Envelope <Envlp>

Presence: [1..1]

Definition: Technical element wrapping the supplementary data.

Type: (External Schema)

Technical component that contains the validated supplementary data information. This technical envelope allows to segregate the supplementary data information from any other information.

44.1.14.2 Header55

Definition: Set of characteristics related to the protocol.

Header for a retrieval message.

ISO 8583 MTI

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1153
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1153
	ExchangeIdentification <Xchgld>	[0..1]	Text		1153
	ReTransmissionCounter <ReTrnsmsnCntnr>	[0..1]	Text		1154
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1154
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1154
	InitiatingParty <InitgPty>	[1..1]	±		1154
	RecipientParty <RcptPty>	[0..1]	±		1154
	TraceData <TracData>	[0..*]			1155
	Type <Tp>	[0..1]	Text		1155
	Value <Val>	[0..1]	Text		1155
	Traceability <Tracblt>	[0..*]	±		1155

44.1.14.2.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction37Code" on page 1501

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.
REQU	Request	Message function is a request.
STNO	StatusNotification	Notification about the status of a transaction.
STRQ	StatusRequest	Message function is a status request.
STAD	StatusAdvice	Advice about the status of a transaction.

44.1.14.2.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.2.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.2.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.2.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.2.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.2.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification172" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.2.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.2.9 TraceData <TracData>

Presence: [0..*]

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.

ISO 8583:93/2003 bit 59

TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1155
	Value <Val>	[0..1]	Text		1155

44.1.14.2.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.14.2.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.14.2.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.3 Header48

Definition: Set of characteristics related to the protocol.

Header for a fee collection message.

ISO 8583 MTI

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1156
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1157
	ExchangeIdentification <XchgId>	[0..1]	Text		1157
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1157
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1157
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1157
	InitiatingParty <InitgPty>	[1..1]	±		1157
	RecipientParty <RcptPty>	[0..1]	±		1158
	TraceData <TracData>	[0..*]			1158
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159
	Traceability <Tracblt>	[0..*]	±		1159

44.1.14.3.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction29Code" on page 1501

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.

44.1.14.3.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.3.3 Exchangeldentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.3.4 ReTransmissionCounter <ReTrnsmssnCnt>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.3.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODatetime" on page 1530

44.1.14.3.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.3.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.3.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.3.9 TraceData <TracData>

Presence: [0..*]

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.

ISO 8583:93/2003 bit 59

TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1159
	Value <Val>	[0..1]	Text		1159

44.1.14.3.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.14.3.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.14.3.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeln <TracDtTmln>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.4 Header46

Definition: Set of characteristics related to the protocol.

Header for an amendment message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1160
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1160
	ExchangeIdentification <Xchgld>	[0..1]	Text		1160
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1160
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1161
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1161
	InitiatingParty <InitgPty>	[1..1]	±		1161
	RecipientParty <RcptPty>	[0..1]	±		1161
	TraceData <TracData>	[0..*]			1162
	Type <Tp>	[0..1]	Text		1162
	Value <Val>	[0..1]	Text		1162
	Traceability <Tracblt>	[0..*]	±		1162

44.1.14.4.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction27Code" on page 1500

CodeName	Name	Definition
NOTI	Notification	Information about the transaction.

44.1.14.4.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.4.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.4.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.4.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.4.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.4.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification172" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.4.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.4.9 TraceData <TracData>

Presence: [0..*]

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.

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TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1162
	Value <Val>	[0..1]	Text		1162

44.1.14.4.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.14.4.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.14.4.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.5 Header45

Definition: Set of characteristics related to the protocol.

Header for a rejection message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1163
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1163
	ExchangeIdentification <XchgId>	[0..1]	Text		1164
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1164
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1164
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1164
	InitiatingParty <InitgPty>	[1..1]	±		1164
	RecipientParty <RcptPty>	[0..1]	±		1165
	TraceData <TracData>	[0..*]			1165
	Type <Tp>	[0..1]	Text		1165
	Value <Val>	[0..1]	Text		1166
	Traceability <Tracblt>	[0..*]	±		1166

44.1.14.5.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction39Code" on page 1501

CodeName	Name	Definition
RENO	RejectNotification	Notification of a rejected message.
ERNO	ErrorNotification	Notification of a message containing errors.

44.1.14.5.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.5.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.5.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.5.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.5.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.5.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.5.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.5.9 TraceData <TracData>

Presence: [0..*]

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.

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TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1165
	Value <Val>	[0..1]	Text		1166

44.1.14.5.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.14.5.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.14.5.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.6 Header44

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1166
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1167
	ExchangeIdentification <XchgId>	[0..1]	Text		1167
	RetransmissionCounter <RtrnsmssnCntr>	[0..1]	Text		1167
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1167
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1167
	InitiatingParty <InitgPty>	[1..1]	±		1167
	RecipientParty <RcptPty>	[0..1]	±		1168
	TraceData <TracData>	[0..*]			1168
	Type <Tp>	[0..1]	Text		1168
	Value <Val>	[0..1]	Text		1169
	Traceability <Tracblt>	[0..*]	±		1169

44.1.14.6.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction25Code" on page 1500

CodeName	Name	Definition
REQU	Request	Message function is a request.

44.1.14.6.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.6.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.6.4 RetransmissionCounter <RtrnsmsnCnt>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.6.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.6.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.6.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.6.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.6.9 TraceData <TracData>

Presence: [0..*]

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.

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TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1168
	Value <Val>	[0..1]	Text		1169

44.1.14.6.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.14.6.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.14.6.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.7 Header43

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1169
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1170
	ExchangeIdentification <XchgId>	[0..1]	Text		1170
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Text		1170
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1170
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1170
	InitiatingParty <InitgPty>	[1..1]	±		1171
	RecipientParty <RcptPty>	[0..1]	±		1171
	TraceData <TracData>	[0..*]			1171
	Type <Tp>	[0..1]	Text		1172
	Value <Val>	[0..1]	Text		1172
	Traceability <Tracblt>	[0..*]	±		1172

44.1.14.7.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction23Code" on page 1500

CodeName	Name	Definition
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.
REQU	Request	Message function is a request.

44.1.14.7.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.7.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.7.4 ReTransmissionCounter <ReTrnsmssnCnt>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.7.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODatetime" on page 1530

44.1.14.7.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.7.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.7.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.7.9 TraceData <TracData>

Presence: [0..*]

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.

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TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1172
	Value <Val>	[0..1]	Text		1172

44.1.14.7.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.14.7.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.14.7.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeln <TracDtTmln>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.8 Header42

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1173
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1173
	ExchangeIdentification <XchgId>	[0..1]	Text		1173
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1174
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1174
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1174
	InitiatingParty <InitgPty>	[1..1]	±		1174
	RecipientParty <RcptPty>	[0..1]	±		1174
	TraceData <TracData>	[0..*]			1175
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175
	Traceability <Tracblt>	[0..*]	±		1175

44.1.14.8.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction16Code" on page 1498

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.

44.1.14.8.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.8.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.8.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.8.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.8.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.8.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification172" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.8.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.8.9 TraceData <TracData>

Presence: [0..*]

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.

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TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1175
	Value <Val>	[0..1]	Text		1175

44.1.14.8.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.14.8.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.14.8.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.9 Header40

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1176
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1177
	Exchangeldentification <Xchgld>	[0..1]	Text		1177
	ReTransmissionCounter <ReTrnsmssnCntnr>	[0..1]	Text		1177
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1177
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1177
	InitiatingParty <InitgPty>	[1..1]	±		1178
	RecipientParty <RcptPty>	[0..1]	±		1178
	TraceData <TracData>	[0..*]			1178
	Type <Tp>	[0..1]	Text		1179
	Value <Val>	[0..1]	Text		1179
	Traceability <Tracblt>	[0..*]	±		1179

44.1.14.9.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction20Code" on page 1499

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.
REQU	Request	Message function is a request.
RVRA	ReversalAdvice	Advice for reversal without financial capture.

CodeName	Name	Definition
RVNO	ReversalNotification	Notification of reversal for either an authorisation or a financial message (response not expected).
STAD	StatusAdvice	Advice about the status of a transaction.
STNO	StatusNotification	Notification about the status of a transaction.

44.1.14.9.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.9.3 Exchangeldentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.9.4 ReTransmissionCounter <ReTrnsmssnCnt>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.9.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.9.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "BatchManagementInformation1" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.9.7 InitiatingParty <InitgPty>*Presence:* [1..1]*Definition:* Unique identification of the partner that has initiated the exchange.**InitiatingParty <InitgPty>** contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.9.8 RecipientParty <RcptPty>*Presence:* [0..1]*Definition:* Unique identification of the partner that is the recipient of the message exchange.**RecipientParty <RcptPty>** contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.9.9 TraceData <TracData>*Presence:* [0..*]*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.

ISO 8583:93/2003 bit 59

TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1179
	Value <Val>	[0..1]	Text		1179

44.1.14.9.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.14.9.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.14.9.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeln <TracDtTmln>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.10 Header39

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1180
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1180
	ExchangeIdentification <Xchgld>	[0..1]	Text		1180
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1180
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1181
	BatchManagementInformation <BtchMgmtInf>	[0..1]	±		1181
	InitiatingParty <InitgPty>	[1..1]	±		1181
	RecipientParty <RcptPty>	[0..1]	±		1181
	TraceData <TracData>	[0..*]			1182
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182
	Traceability <Tracblt>	[0..*]	±		1182

44.1.14.10.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction17Code" on page 1499

CodeName	Name	Definition
NOTI	Notification	Information about the transaction.
REQU	Request	Message function is a request.
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.

44.1.14.10.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.10.3 ExchangeIdentification <Xchgld>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.10.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.10.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.10.6 BatchManagementInformation <BtchMgmtInf>

Presence: [0..1]

Definition: Information related to the batch and the collection to which the message belongs if any.

BatchManagementInformation <BtchMgmtInf> contains the following elements (see "[BatchManagementInformation1](#)" on page 871 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CollectionIdentification <ColltnId>	[0..1]	Text		871
	BatchIdentification <BtchId>	[1..1]	Text		871
	MessageSequenceNumber <MsgSeqNb>	[0..1]	Text		871
	MessageChecksumInputValue <MsgChcksmInptVal>	[0..1]	Binary		871

44.1.14.10.7 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.10.8 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.10.9 TraceData <TracData>

Presence: [0..*]

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.

ISO 8583:93/2003 bit 59

TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1182
	Value <Val>	[0..1]	Text		1182

44.1.14.10.9.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.14.10.9.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.14.10.10 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.11 Header38

Definition: Set of characteristics related to the protocol.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]	CodeSet		1183
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1183
	ExchangeIdentification <XchgId>	[0..1]	Text		1184
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Text		1184
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1184
	InitiatingParty <InitgPty>	[1..1]	±		1184
	RecipientParty <RcptPty>	[0..1]	±		1184
	TraceData <TracData>	[0..*]			1185
	Type <Tp>	[0..1]	Text		1185
	Value <Val>	[0..1]	Text		1185
	Traceability <Tracblt>	[0..*]	±		1185

44.1.14.11.1 MessageFunction <MsgFctn>

Presence: [1..1]

Definition: Identifies the type of process related to the message.

Datatype: "MessageFunction18Code" on page 1499

CodeName	Name	Definition
BTRQ	BatchRequest	Request to initiate the transfer of a batch (response expected).
BTNF	BatchNotification	Notification to initiate the transfer of a batch (no response expected).
CLNF	CollectionNotification	Notification to initiate the transfer of a collection (no response expected).
CLRQ	CollectionRequest	Request to initiate the transfer of a collection (response expected).

44.1.14.11.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the acquirer to issuer protocol specifications.

Datatype: "Max2048Text" on page 1537

44.1.14.11.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange of messages between two parties.

Datatype: "Max35Text" on page 1539

44.1.14.11.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Number of retransmission of the message. Incremented by one for each retransmission.

Datatype: "Max3NumericText" on page 1539

44.1.14.11.5 CreationDateTime <CreDtTm>

Presence: [1..1]

Definition: Date and time at which the message was sent.

Datatype: "ISODateTime" on page 1530

44.1.14.11.6 InitiatingParty <InitgPty>

Presence: [1..1]

Definition: Unique identification of the partner that has initiated the exchange.

InitiatingParty <InitgPty> contains the following elements (see "GenericIdentification172" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.11.7 RecipientParty <RcptPty>

Presence: [0..1]

Definition: Unique identification of the partner that is the recipient of the message exchange.

RecipientParty <RcptPty> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.14.11.8 TraceData <TracData>

Presence: [0..*]

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.

ISO 8583:93/2003 bit 59

TraceData <TracData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1185
	Value <Val>	[0..1]	Text		1185

44.1.14.11.8.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "[Max35Text](#)" on page 1539

44.1.14.11.8.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "[Max2048Text](#)" on page 1537

44.1.14.11.9 Traceability <Tracblt>

Presence: [0..*]

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Traceability <Tracblt> contains the following elements (see "Traceability7" on page 1208 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeIn <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.14.12 DeliveryInformation2

Definition: Delivery information for the purpose of a retrieval fulfilment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Contact <Ctct>	[0..1]			1186
	Name <Nm>	[0..1]	Text		1186
	FaxNumber <FaxNb>	[0..1]	Text		1186
	TelephoneNumber <TelNb>	[0..1]	Text		1187
	Email <Email>	[0..1]	Text		1187
	URLAddress <URLAdr>	[0..1]	Text		1187
	PostalAddress <PstlAdr>	[0..1]	±		1187

44.1.14.12.1 Contact <Ctct>

Presence: [0..1]

Definition: Contact for delivery.

Contact <Ctct> contains the following **Contact7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1186
	FaxNumber <FaxNb>	[0..1]	Text		1186
	TelephoneNumber <TelNb>	[0..1]	Text		1187
	Email <Email>	[0..1]	Text		1187
	URLAddress <URLAdr>	[0..1]	Text		1187

44.1.14.12.1.1 Name <Nm>

Presence: [0..1]

Definition: Name by which a party is known and which is usually used to identify that party.

Datatype: "Max35Text" on page 1539

44.1.14.12.1.2 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Collection of information that identifies a FAX number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.14.12.1.3 TelephoneNumber <TelNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.14.12.1.4 Email <Email>

Presence: [0..1]

Definition: Address for electronic mail (e-mail).

Datatype: "Max256Text" on page 1538

44.1.14.12.1.5 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.14.12.2 PostalAddress <PstlAdr>

Presence: [0..1]

Definition: Postal address related to a retrieval fulfilment.

PostalAddress <PstlAdr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.14.13 CardholderName1

Definition: Complete name of the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1188
	GivenName <GvnNm>	[0..1]	Text		1188
	MiddleInitials <MddlInitls>	[0..1]	Text		1188
	LastName <LastNm>	[0..1]	Text		1188

44.1.14.13.1 Name <Nm>

Presence: [0..1]

Definition: Exact replication of the name of the cardholder as it appears on the card.

Datatype: "Max70Text" on page 1541

44.1.14.13.2 GivenName <GvnNm>

Presence: [0..1]

Definition: First name of the cardholder.

Datatype: "Max35Text" on page 1539

44.1.14.13.3 MiddleInitials <MddlInitls>

Presence: [0..1]

Definition: Middle initials present in the name of a person.

Datatype: "Max35Text" on page 1539

44.1.14.13.4 LastName <LastNm>

Presence: [0..1]

Definition: Family name of the cardholder.

Datatype: "Max35Text" on page 1539

44.1.14.14 Cardholder15

Definition: Unprotected sensitive detailed information about the cardholder.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardholderName <CrdhldrNm>	[0..1]	±		1188
	Identification <Id>	[0..*]	±		1189
	Address <Adr>	[0..1]	±		1189
	ContactInformation <CtctInf>	[0..1]	±		1190
	DateOfBirth <DtOfBirth>	[0..1]	Date		1190

44.1.14.14.1 CardholderName <CrdhldrNm>

Presence: [0..1]

Definition: Contains the registered cardholder name that issuer knows to be correct.

CardholderName <CrhdldrNm> contains the following elements (see "[CardholderName1](#)" on page 1187 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1188
	GivenName <GvnNm>	[0..1]	Text		1188
	MiddleInitials <MddlNittls>	[0..1]	Text		1188
	LastName <LastNm>	[0..1]	Text		1188

44.1.14.14.2 Identification <Id>

Presence: [0..*]

Definition: Identification of the cardholder.

ISO 8583:87 bit 56 (TLV tag 03/dataset 73)

ISO 8583:93 bit 112 (TLV tag 03/dataset 73)

ISO 8583:2003 bit 51 (TLV tag 03/dataset 73)

Identification <Id> contains the following elements (see "[Credentials1](#)" on page 1251 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	IdentificationCode <IdCd>	[1..1]	CodeSet		1251
	OtherIdentificationCode <OthrIdCd>	[0..1]	Text		1252
	IdentificationValue <IdVal>	[1..1]	Text		1252

44.1.14.14.3 Address <Adr>

Presence: [0..1]

Definition: Complete address of the cardholder.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.14.14.4 ContactInformation <CtctInf>

Presence: [0..1]

Definition: Contact information.

ISO 8583:87 bit 56 (TLV tag 02/dataset 72)

ISO 8583:93 bit 112 (TLV tag 02/dataset 72)

ISO 8583:2003 bit 51 (TLV tag 02/dataset 72)

ContactInformation <CtctInf> contains the following elements (see "Contact1" on page 1252 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1252
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1252
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1253
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1253
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1253
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1253
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1253
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1253
	Language <Lang>	[0..1]	CodeSet		1253

44.1.14.14.5 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the party.

Datatype: "ISODate" on page 1530

44.1.14.15 RetrievalFulfilmentInstructions1

Definition: Fulfilment instructions for the retrieval

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[0..1]			1191
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblishdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActIDlvryMtd>	[0..1]	Text		1191
	DeliveryInformation <DlvryInf>	[0..1]	±		1192
	AdditionalInformation <AddtlInf>	[0..1]	±		1192

44.1.14.15.1 Method <Mtd>

Presence: [0..1]

Definition: Contains information describing the fulfilment information delivery methods.

Method <Mtd> contains one of the following **RetrievalDeliveryMethod1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	RequestedMethod <ReqdMtd>	[0..*]	Text		1191
Or	EstablishedMethod <EstblishdMtd>	[0..*]	Text		1191
Or}	ActualDeliveryMethod <ActIDlvryMtd>	[0..1]	Text		1191

44.1.14.15.1.1 RequestedMethod <ReqdMtd>

Presence: [0..*]

Definition: Method requested by issuers to convey the transaction information.

Datatype: "Max35Text" on page 1539

44.1.14.15.1.2 EstablishedMethod <EstblishdMtd>

Presence: [0..*]

Definition: Method established by fulfilment system.

Datatype: "Max35Text" on page 1539

44.1.14.15.1.3 ActualDeliveryMethod <ActIDlvryMtd>

Presence: [0..1]

Definition: Method actually used to convey the transaction information.

Datatype: "Max35Text" on page 1539

44.1.14.15.2 DeliveryInformation <DlvryInf>

Presence: [0..1]

Definition: Information related to a retrieval fulfilment.

DeliveryInformation <DlvryInf> contains the following elements (see "[DeliveryInformation2](#)" on page 1186 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Contact <Ctct>	[0..1]			1186
	Name <Nm>	[0..1]	Text		1186
	FaxNumber <FaxNb>	[0..1]	Text		1186
	TelephoneNumber <TelNb>	[0..1]	Text		1187
	Email <Email>	[0..1]	Text		1187
	URLAddress <URLAdr>	[0..1]	Text		1187
	PostalAddress <PstlAdr>	[0..1]	±		1187

44.1.14.15.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information relevant for the retrieval.

AdditionalInformation <AddtlInf> contains the following elements (see "[AdditionalInformation22](#)" on page 1193 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

44.1.14.16 DetailedError1

Definition: Detailed description of an error that caused the message to be corrected/amended.
Transmitted for further analysis.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1193
	Description <Desc>	[1..1]	Text		1193
	Value <Val>	[0..1]	Text		1193

44.1.14.16.1 Type <Tp>

Presence: [1..1]

Definition: Type of error corrected or amendment brought to the message.

Datatype: "Max35Text" on page 1539

44.1.14.16.2 Description <Desc>

Presence: [1..1]

Definition: Detailed description of the error or amendment.

Datatype: "Max500Text" on page 1540

44.1.14.16.3 Value <Val>

Presence: [0..1]

Definition: Contains the modified value.

Datatype: "Max256Text" on page 1538

44.1.14.17 AdditionalInformation22

Definition: Additional information relevant to the destination.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

44.1.14.17.1 Recipient <Rcpt>

Presence: [0..1]

Definition: Recipient of the additional information to display, print, send or store.

Datatype: "PartyType19Code" on page 1505

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.

CodeName	Name	Definition
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.14.17.2 Target <Trgt>

Presence: [0..*]

Definition: Target of the additional information to print, display, send or store.

Datatype: "UserInterface8Code" on page 1528

CodeName	Name	Definition
DSPU	Dispute	Interface used in case of disputes or chargebacks.
FILE	File	File used to store the message.
LOGF	Log	Information dedicated to a log file.
OTHP	OtherPrivate	Other type of interface defined at private level.
OTHN	OtherNational	Other type of interface defined at national level.

44.1.14.17.3 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1504

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
OTHN	OtherNational	Other type of output of message defined at national level.
OTHP	OtherPrivate	Other type of output format defined at private level.
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.

44.1.14.17.4 Type <Tp>

Presence: [0..1]

Definition: Defines the type of the value.

Datatype: "Max35Text" on page 1539

44.1.14.17.5 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1537

44.1.14.18 AdditionalInformation20

Definition: Additional information relevant to the destination.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.14.18.1 Recipient <Rcpt>

Presence: [0..1]

Definition: Recipient of the additional information to display, print, send or store.

Datatype: "PartyType22Code" on page 1507

CodeName	Name	Definition
CRDH	Cardholder	Holder of a payment card.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.1.14.18.2 OtherRecipient <OthrRcpt>

Presence: [0..1]

Definition: Other type of recipient of action data.

Datatype: "Max35Text" on page 1539

44.1.14.18.3 Target <Trgt>

Presence: [0..*]

Definition: Target of the additional information to print, display, send or store.

Datatype: "UserInterface6Code" on page 1528

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.
CRDO	OtherCardholderInterface	Other interface of the cardholder, for instance e-mail or smartphone message.
FILE	File	File used to store the message.
CHAP	CardholderApplication	Information dedicated to a software application related to a device belonging to the cardholder.
MRAP	MerchantApplication	Information dedicated to a software application related to a device belonging to the merchant.
MRIN	OtherMerchantInterface	Other interface of the merchant for instance e-mail or smartphone message.

44.1.14.18.4 OtherTarget <OthrTrgt>

Presence: [0..1]

Definition: Other type of target for action data.

Datatype: "Max35Text" on page 1539

44.1.14.18.5 Format <Frmt>

Presence: [0..1]

Definition: Format of the additional information.

Datatype: "OutputFormat4Code" on page 1504

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
OTHN	OtherNational	Other type of output of message defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of output format defined at private level.
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.

44.1.14.18.6 OtherFormat <OthrFmt>

Presence: [0..1]

Definition: Other output format.

Datatype: "Max35Text" on page 1539

44.1.14.18.7 Type <Tp>

Presence: [0..1]

Definition: Defines the type of the value.

Datatype: "Max35Text" on page 1539

44.1.14.18.8 Value <Val>

Presence: [1..1]

Definition: Content of or reference to the message.

Datatype: "Max20KText" on page 1537

44.1.14.19 PointOfInteractionComponent8

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		1199
	Identification <Id>	[1..1]			1200
	ItemNumber <ItmNb>	[0..1]	Text		1200
	ProviderIdentification <PrvdrlId>	[0..1]	Text		1200
	Identification <Id>	[0..1]	Text		1200
	SerialNumber <SrlNb>	[0..1]	Text		1200
	Status <Sts>	[0..1]			1200
	VersionNumber <VrsnNb>	[0..1]	Text		1201
	Status <Sts>	[0..1]	CodeSet		1201
	ExpiryDate <XpryDt>	[0..1]	Date		1201
	StandardCompliance <StdCmplc>	[0..*]			1201
	Identification <Id>	[1..1]	Text		1201
	Version <Vrsn>	[1..1]	Text		1202
	Issuer <Issr>	[1..1]	Text		1202
	Characteristics <Chrtcs>	[0..1]			1202
	Memory <Mmry>	[0..*]			1202
	Identification <Id>	[1..1]	Text		1203
	TotalSize <TtlSz>	[1..1]	Quantity		1203
	FreeSize <FreeSz>	[1..1]	Quantity		1203
	Unit <Unit>	[1..1]	CodeSet		1203
	Communication <Com>	[0..*]			1203
	CommunicationType <ComTp>	[1..1]	CodeSet		1204
	RemoteParty <RmotPty>	[1..*]	CodeSet		1204
	Active <Actv>	[1..1]	Indicator		1205
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1205
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1205
	SecurityElement <SctyElmt>	[0..*]	±		1205
	Assessment <Assmnt>	[0..*]			1206
	Type <Tp>	[1..1]	CodeSet		1206
	Assigner <Assgnr>	[1..*]	Text		1207
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1207

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1207
	Number <Nb>	[1..1]	Text		1207

44.1.14.19.1 Type <Tp>

Presence: [1..1]

Definition: Type of component belonging to a POI (Point Of Interaction) Terminal.

Datatype: "POIComponentType5Code" on page 1512

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).
CRTF	CertificateParameters	Certificate provided by a terminal manager.
TMSP	TMSProtocolParameters	Configuration parameters for the TMS protocol.
SACP	SaleComponent	Component of the Sale system.

CodeName	Name	Definition
SAPR	SaleToPOIProtocolParameters	Parameters related to the Sale to POI protocol.

44.1.14.19.2 Identification <Id>

Presence: [1..1]

Definition: Identification of the POI (Point Of Interaction) component.

Identification <Id> contains the following **PointOfInteractionComponentIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ItemNumber <ItmNb>	[0..1]	Text		1200
	ProviderIdentification <PrvdrId>	[0..1]	Text		1200
	Identification <Id>	[0..1]	Text		1200
	SerialNumber <SrINb>	[0..1]	Text		1200

44.1.14.19.2.1 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 1539

44.1.14.19.2.2 ProviderIdentification <PrvdrId>

Presence: [0..1]

Definition: Identifies the provider of the software, hardware or parameters of the POI component.

Datatype: "Max35Text" on page 1539

44.1.14.19.2.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the POI component assigned by its provider.

Datatype: "Max35Text" on page 1539

44.1.14.19.2.4 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number identifying an occurrence of an hardware component.

Datatype: "Max35Text" on page 1539

44.1.14.19.3 Status <Sts>

Presence: [0..1]

Definition: Status of the POI (Point Of Interaction) component.

Status <Sts> contains the following **PointOfInteractionComponentStatus3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	VersionNumber <VrsnNb>	[0..1]	Text		1201
	Status <Sts>	[0..1]	CodeSet		1201
	ExpiryDate <XpryDt>	[0..1]	Date		1201

44.1.14.19.3.1 VersionNumber <VrsnNb>

Presence: [0..1]

Definition: Current version of the component that might include the release number.

Datatype: "Max256Text" on page 1538

44.1.14.19.3.2 Status <Sts>

Presence: [0..1]

Definition: Current status of the component.

Datatype: "POIComponentStatus1Code" on page 1512

CodeName	Name	Definition
WAIT	WaitingActivation	Component not yet activated.
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

44.1.14.19.3.3 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiration date of the component.

Datatype: "ISODate" on page 1530

44.1.14.19.4 StandardCompliance <StdCmplc>

Presence: [0..*]

Definition: Identification of the standard for which the component complies with.

StandardCompliance <StdCmplc> contains the following **GenericIdentification48** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1201
	Version <Vrsn>	[1..1]	Text		1202
	Issuer <Issr>	[1..1]	Text		1202

44.1.14.19.4.1 Identification <Id>

Presence: [1..1]

Definition: Proprietary information, often a code, issued by the data source scheme issuer.

Datatype: "Max35Text" on page 1539

44.1.14.19.4.2 Version <Vrsn>

Presence: [1..1]

Definition: Version of the identification.

Datatype: "Max35Text" on page 1539

44.1.14.19.4.3 Issuer <Issr>

Presence: [1..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1539

44.1.14.19.5 Characteristics <Chrtcs>

Presence: [0..1]

Definition: Characteristics of a POI (Point Of Interaction) component.

Characteristics <Chrtcs> contains the following **PointOfInteractionComponentCharacteristics4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Memory <Mmry>	[0..*]			1202
	Identification <Id>	[1..1]	Text		1203
	TotalSize <TtlSz>	[1..1]	Quantity		1203
	FreeSize <FreeSz>	[1..1]	Quantity		1203
	Unit <Unit>	[1..1]	CodeSet		1203
	Communication <Com>	[0..*]			1203
	CommunicationType <ComTp>	[1..1]	CodeSet		1204
	RemoteParty <RmotPty>	[1..*]	CodeSet		1204
	Active <Actv>	[1..1]	Indicator		1205
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1205
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1205
	SecurityElement <SctyElmt>	[0..*]	±		1205

44.1.14.19.5.1 Memory <Mmry>

Presence: [0..*]

Definition: Memory characteristics of the component.

Memory <Mmry> contains the following **MemoryCharacteristics1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1203
	TotalSize <TtISz>	[1..1]	Quantity		1203
	FreeSize <FreeSz>	[1..1]	Quantity		1203
	Unit <Unit>	[1..1]	CodeSet		1203

44.1.14.19.5.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification or name of the memory.

Datatype: "Max35Text" on page 1539

44.1.14.19.5.1.2 TotalSize <TtISz>

Presence: [1..1]

Definition: Total size of the memory unit.

Datatype: "DecimalNumber" on page 1531

44.1.14.19.5.1.3 FreeSize <FreeSz>

Presence: [1..1]

Definition: Total size of the available memory.

Datatype: "DecimalNumber" on page 1531

44.1.14.19.5.1.4 Unit <Unit>

Presence: [1..1]

Definition: Memory unit of the sizes.

Datatype: "MemoryUnit1Code" on page 1497

CodeName	Name	Definition
BYTE	Byte	Byte.
EXAB	ExaByte	Exa byte.
GIGA	GigaByte	Giga byte.
KILO	KiloByte	Kilo byte.
MEGA	MegaByte	Mega byte.
PETA	PetaByte	Peta byte.
TERA	TeraByte	Tera byte.

44.1.14.19.5.2 Communication <Com>

Presence: [0..*]

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Communication <Com> contains the following **CommunicationCharacteristics3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommunicationType <ComTp>	[1..1]	CodeSet		1204
	RemoteParty <RmotPty>	[1..*]	CodeSet		1204
	Active <Actv>	[1..1]	Indicator		1205

44.1.14.19.5.2.1 CommunicationType <ComTp>

Presence: [1..1]

Definition: Type of low level communication.

Datatype: "POICommunicationType2Code" on page 1511

CodeName	Name	Definition
BLTH	Bluetooth	Communication with a host using Bluetooth.
ETHR	Ethernet	Ethernet port to communicate.
GPRS	GPRS	Communication with a host using GPRS.
GSMF	GSM	Communication with a host using GSM.
PSTN	PSTN	Communication with a host using Public Switching Telephone Network.
RS23	RS232	Serial port to communicate.
USBD	USBDevice	Communication with a USB stick or any USB device.
USBH	USBHost	Communication with a host from an USB port.
WIFI	Wifi	Wifi communication with another component.
WT2G	WirelessTechnology2G	Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC).
WT3G	WirelessTechnology3G	Includes all communication technologies which can be qualified as being part of the 3G technology.
WT4G	WirelessTechnology4G	Includes all communication technologies which can be qualified as being part of the 4G technology.
WT5G	WirelessTechnology5G	Includes all communication technologies which can be qualified as being part of the 5G technology.

44.1.14.19.5.2.2 RemoteParty <RmotPty>

Presence: [1..*]

Definition: Entity that communicate with the current component, using this communication device.

Datatype: "PartyType7Code" on page 1509

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
PCPT	POIComponent	Party component of a POI system or POI terminal (Point of Interaction).
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.
SALE	SaleSystem	Party selling goods and services.

44.1.14.19.5.2.3 Active <Actv>

Presence: [1..1]

Definition: Communication hardware is activated.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.14.19.5.3 SecurityAccessModules <SctyAccsMdl>

Presence: [0..1]

Definition: Number of security access modules (SAM).

Datatype: ["Number" on page 1532](#)

44.1.14.19.5.4 SubscriberIdentityModules <SbcbrldntyMdl>

Presence: [0..1]

Definition: Number of subscriber identity modules (SIM).

Datatype: ["Number" on page 1532](#)

44.1.14.19.5.5 SecurityElement <SctyElmt>

Presence: [0..*]

Definition: Security characteristics of the component.

SecurityElement <SctyElmt> contains the following elements (see "CryptographicKey13" on page 1320 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1321
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1321
	Version <Vrsn>	[1..1]	Text		1321
	Type <Tp>	[0..1]	CodeSet		1321
	Function <Fctn>	[0..*]	CodeSet		1322
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1323
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1323
	KeyValue <KeyVal>	[0..1]	±		1323
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1323
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1323
	Name <Nm>	[1..1]	Text		1324
	Value <Val>	[0..1]	Text		1324

44.1.14.19.6 Assessment <Assmnt>

Presence: [0..*]

Definition: Assessments for the component of the point of interaction.

Assessment <Assmnt> contains the following **PointOfInteractionComponentAssessment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1206
	Assigner <Assgnr>	[1..*]	Text		1207
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1207
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1207
	Number <Nb>	[1..1]	Text		1207

44.1.14.19.6.1 Type <Tp>

Presence: [1..1]

Definition: Type of assessment of the component.

Datatype: "POIComponentAssessment1Code" on page 1512

CodeName	Name	Definition
APPL	Approval	Approval number delivered by an approval centre.

CodeName	Name	Definition
CERT	Certification	Certification number delivered by a certification body.
EVAL	Evaluation	Evaluation by a lab or a tool.

44.1.14.19.6.2 Assigner <Assgnr>

Presence: [1..*]

Definition: Body which has delivered the assessment.

Datatype: "Max35Text" on page 1539

44.1.14.19.6.3 DeliveryDate <DlvryDt>

Presence: [0..1]

Definition: Date when the assessment has been delivered.

Datatype: "ISODateTime" on page 1530

44.1.14.19.6.4 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Date when the assessment will expire.

Datatype: "ISODateTime" on page 1530

44.1.14.19.6.5 Number <Nb>

Presence: [1..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1539

44.1.14.20 EncapsulatedContent3

Definition: Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1207
	Content <Cntt>	[0..1]	Binary		1208

44.1.14.20.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: "ContentType2Code" on page 1481

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).

CodeName	Name	Definition
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

44.1.14.20.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: "Max100KBinary" on page 1452

44.1.15 Monitoring

44.1.15.1 Traceability7

Definition: Identification of partners involved in exchange from the merchant to the issuer, with the relative timestamp of their exchanges.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1208
	TraceDateTimeln <TracDtTmIn>	[0..1]	DateTime		1209
	TraceDateTimeOut <TracDtTmOut>	[0..1]	DateTime		1209

44.1.15.1.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification172](#)" on page 1228 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.15.1.2 TraceDateTimeln <TracDtTmln>

Presence: [0..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODatetime" on page 1530

44.1.15.1.3 TraceDateTimeOut <TracDtTmOut>

Presence: [0..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODatetime" on page 1530

44.1.16 Organisation Identification

44.1.16.1 AdditionalAcceptorData1

Definition: Contains additional acceptor data

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalTransactionReferenceNumber <AddtlTxRefNb>	[0..1]	Text		1210
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1210
	CorporateTaxIdentification <CorpTaxId>	[0..1]	Text		1211
	CorporateTaxIdentificationType <CorpTaxIdTp>	[0..1]	CodeSet		1211
	AdditionalIdentification <AddtlId>	[0..*]			1211
	Type <Tp>	[1..1]	CodeSet		1211
	OtherType <OthrTp>	[0..1]	Text		1212
	Value <Val>	[1..1]	Text		1212
	Characteristics <Chrtcs>	[0..1]			1212
	BusinessType <BizTp>	[0..1]			1212
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Owner <Ownr>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Certification <Certfctn>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214
	OwnerEthnicity <OwnrEthncty>	[0..1]			1214
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214
	AdditionalInformation <AddtlInf>	[0..1]	Text		1214

44.1.16.1.1 AdditionalTransactionReferenceNumber <AddtlTxRefNb>

Presence: [0..1]

Definition: Contains a code that facilitates card acceptor/corporation communication and record keeping.

Datatype: "Max70Text" on page 1541

44.1.16.1.2 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of the company recognized by the taxation authority. Used for reporting transaction-related taxes.

Datatype: "Max70Text" on page 1541

44.1.16.1.3 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 1539

44.1.16.1.4 CorporateTaxIdentificationType <CorpTaxIdTp>

Presence: [0..1]

Definition: Indicates the corporate tax identification type.

Datatype: "CorporateTaxType1Code" on page 1482

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

44.1.16.1.5 AdditionalIdentification <AddtId>

Presence: [0..*]

Definition: Contains additional identification information.

AdditionalIdentification <AddtId> contains the following **AdditionalIdentification1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1211
	OtherType <OthrTp>	[0..1]	Text		1212
	Value <Val>	[1..1]	Text		1212

44.1.16.1.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of additional identification.

Datatype: "AdditionalIdentificationType1Code" on page 1461

CodeName	Name	Definition
OTHP	OtherPrivate	Other Additional Identification defined at a private level.
OTHN	OtherNational	Other Additional Identification defined at a national level.
ICSN	NAICS	Contains the North American Industry Classification System (NAICS) code assigned to the card acceptor.
ATNU	AustinTetra	Contains the Austin-Tetra Number assigned to the card acceptor.

44.1.16.1.5.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other Additional Identification applied to the transaction.

Datatype: "Max35Text" on page 1539

44.1.16.1.5.3 Value <Val>

Presence: [1..1]

Definition: Additional identification value.

Datatype: "Max35Text" on page 1539

44.1.16.1.6 Characteristics <Chrtcs>

Presence: [0..1]

Definition: Contains various classifications of business ownership characteristics.

Characteristics <Chrtcs> contains the following **AdditionalCharacteristics1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BusinessType <BizTp>	[0..1]			1212
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Owner <Ownr>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213
	Certification <Certfctn>	[0..1]			1213
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214
	OwnerEthnicity <OwnrEthncty>	[0..1]			1214
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214

44.1.16.1.6.1 BusinessType <BizTp>

Presence: [0..1]

Definition: Identifies the specific classification or type of business.

BusinessType <BizTp> contains the following **AdditionalCharacteristicDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213

44.1.16.1.6.1.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.1.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.2 Owner <Ownr>

Presence: [0..1]

Definition: Identifies specific characteristics about the business owner.

Owner <Ownr> contains the following **AdditionalCharacteristicDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1213
	ProvidedBy <PrvddBy>	[0..1]	Text		1213

44.1.16.1.6.2.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.2.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.3 Certification <Certfctn>

Presence: [0..1]

Definition: Identifies specific characteristics about the business certification type, such as small business, disadvantaged, or other certification type.

Certification <Certfctn> contains the following **AdditionalCharacteristicDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214

44.1.16.1.6.3.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.3.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.4 OwnerEthnicity <OwnrEthncty>

Presence: [0..1]

Definition: Identifies the racial or ethnic type of

the majority owner of the business.

OwnerEthnicity <OwnrEthncty> contains the following **AdditionalCharacteristicDetails1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1214
	ProvidedBy <PrvddBy>	[0..1]	Text		1214

44.1.16.1.6.4.1 Type <Tp>

Presence: [1..1]

Definition: Specific type of business.

Datatype: "Max35Text" on page 1539

44.1.16.1.6.4.2 ProvidedBy <PrvddBy>

Presence: [0..1]

Definition: Party that provided the type information.

Datatype: "Max35Text" on page 1539

44.1.16.1.7 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the card acceptor.

Datatype: "Max350Text" on page 1538

44.1.16.2 SponsoredMerchant1

Definition: Merchant using the payment services of the card acceptor. The sponsored merchant is not acting as the card acceptor; the latter remaining the only party liable for the transaction vis-à-vis the acquirer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		1215
	AdditionalIdentification <AddtlId>	[0..1]	Text		1215
	CommonName <CmonNm>	[0..1]	Text		1215
	Address <Adr>	[0..1]	±		1215

44.1.16.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the sponsored merchant.

Identification <Id> contains the following elements (see "[PartyIdentification197](#)" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.16.2.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification information pertaining to the sponsored merchant.

Datatype: "[Max35Text](#)" on page 1539

44.1.16.2.3 CommonName <CmonNm>

Presence: [0..1]

Definition: Contains the full name of the sponsored merchant.

Datatype: "[Max140Text](#)" on page 1536

44.1.16.2.4 Address <Adr>

Presence: [0..1]

Definition: Address of the sponsored merchant.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.16.3 PartyIdentification209

Definition: Identification of a party

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1216
	Identification <Id>	[0..1]	±		1216
	Address <Adr>	[0..1]	±		1217
	Contact <Ctct>	[0..1]	±		1217
	Instructions <Instrs>	[0..1]	Text		1218

44.1.16.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the party.

Datatype: "Max70Text" on page 1541

44.1.16.3.2 Identification <Id>

Presence: [0..1]

Definition: Contains identification details.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.16.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.16.3.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1230 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.16.3.5 Instructions <Instrs>

Presence: [0..1]

Definition: Special instructions.

Datatype: "Max350Text" on page 1538

44.1.16.4 PartyIdentification204

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1218
	Assigner <Assgnr>	[0..1]	Text		1219
	Country <Ctry>	[0..1]	CodeSet	C1	1219
	ShortName <ShrtNm>	[0..1]	Text		1219
	AdditionalIdentification <AddtlId>	[0..1]	Text		1219
	NameAndLocation <NmAndLctn>	[1..1]	Text		1219

44.1.16.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1539

44.1.16.4.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1539

44.1.16.4.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1482

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

44.1.16.4.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1539

44.1.16.4.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification assigned to the party.

Datatype: "Max70Text" on page 1541

44.1.16.4.6 NameAndLocation <NmAndLctn>

Presence: [1..1]

Definition: Name and location of the card acceptor as appearing on the receipt or the statement of account of the cardholder. May contain location information relevant to the cardholder.

ISO 8583 bit 43.

Datatype: "Max99Text" on page 1542

44.1.16.5 PartyIdentification203

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1220
	Assigner <Assgnr>	[0..1]	Text		1220
	Country <Ctry>	[0..1]	CodeSet		1220
	ShortName <ShrtNm>	[0..1]	Text		1221
	AdditionalIdentification <AddtlId>	[0..1]	Text		1221
	NameAndLocation <NmAndLctn>	[1..1]	Text		1221
	Address <Adr>	[0..1]	±		1221
	Email <Email>	[0..1]	Text		1221
	URLAddress <URLAdr>	[0..1]	Text		1222
	PhoneNumber <PhneNb>	[0..1]	Text		1222
	CustomerService <CstmrSvc>	[0..1]	Text		1222
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1222
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1222
	AdditionalData <AddtlData>	[0..*]			1222
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223
	SponsoredMerchant <SpnsrdMrchnt>	[0..*]	±		1223

44.1.16.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1539

44.1.16.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning an identification to the acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.5.3 Country <Ctry>

Presence: [0..1]

Definition: Country code of the acceptor.

ISO 8583:87/93 bit 43 & 8583:2003 bit 43-71 (when used for Acceptor Country Code)

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.16.5.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.5.5 AdditionalIdentification <AddtId>

Presence: [0..1]

Definition: Additional identification assigned by an agent to an acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.5.6 NameAndLocation <NmAndLctn>

Presence: [1..1]

Definition: Name and location of acceptor.

ISO 8583:87/93 bit 43 & 8583:2003 bit 43-71 (when used for Acceptor name and location)

Datatype: "Max99Text" on page 1542

44.1.16.5.7 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

ISO 8583:93 bit 43 & 8583:2003 bit 43-71 (when used for acceptor address)

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.16.5.8 Email <Email>

Presence: [0..1]

Definition: Electronic mail address.

ISO 8583:2003 bit 43-71 (when used for Acceptor email address)

Datatype: "Max256Text" on page 1538

44.1.16.5.9 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

ISO 8583:2003 bit 43-71 (when used for Acceptor URL)

Datatype: "Max256Text" on page 1538

44.1.16.5.10 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number as defined by telecom services.

ISO 8583:2003 bit 43-71 (when used for Acceptor phone number)

Datatype: "Max35Text" on page 1539

44.1.16.5.11 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

ISO 8583:2003 bit 43-71 (when used for Acceptor customer service phone number)

Datatype: "Max35Text" on page 1539

44.1.16.5.12 AdditionalContactInformation <AddtlCtctInf>

Presence: [0..1]

Definition: Additional information used to facilitate contact with the card acceptor, for instance sales agent name, dispute manager name.

ISO 8583:2003 bit 43-71 (when used for Acceptor additional contact information)

Datatype: "Max256Text" on page 1538

44.1.16.5.13 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of a party by its tax registration number.

Datatype: "Max35Text" on page 1539

44.1.16.5.14 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Contains additional data.

AdditionalData <AddtlData> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1223
	Value <Val>	[0..1]	Text		1223

44.1.16.5.14.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.16.5.14.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.16.5.15 SponsoredMerchant <SpnsrdMrchnt>

Presence: [0..*]

Definition: Sponsored merchant is a merchant that uses the payment services of another entity that acts as the card acceptor.

SponsoredMerchant <SpnsrdMrchnt> contains the following elements (see "SponsoredMerchant1" on page 1214 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	±		1215
	AdditionalIdentification <AddtlId>	[0..1]	Text		1215
	CommonName <CmonNm>	[0..1]	Text		1215
	Address <Adr>	[0..1]	±		1215

44.1.16.6 PartyIdentification199

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1224
	Assigner <Assgnr>	[0..1]	Text		1224
	Country <Ctry>	[0..1]	CodeSet		1224
	ShortName <ShrtNm>	[0..1]	Text		1224
	AdditionalIdentification <AddtlId>	[0..1]	Text		1225
	NameAndLocation <NmAndLctn>	[0..1]	Text		1225
	Address <Adr>	[0..1]	±		1225
	Email <Email>	[0..1]	Text		1225
	URLAddress <URLAdr>	[0..1]	Text		1225
	PhoneNumber <PhneNb>	[0..1]	Text		1226
	CustomerService <CstmrSvc>	[0..1]	Text		1226
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1226
	TaxRegistrationIdentification <TaxRegnId>	[0..1]	Text		1226

44.1.16.6.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the acceptor.

ISO 8583 bit 42

Datatype: "Max35Text" on page 1539

44.1.16.6.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning an identification to the acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.6.3 Country <Ctry>

Presence: [0..1]

Definition: Country code of the acceptor.

ISO 8583 bit 19

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.16.6.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.6.5 AdditionalIdentification <AddtId>

Presence: [0..1]

Definition: Additional identification assigned by an agent to an acceptor.

Datatype: "Max35Text" on page 1539

44.1.16.6.6 NameAndLocation <NmAndLctn>

Presence: [0..1]

Definition: Name and location of acceptor.

ISO 8583:87/93 bit 43 & 8583:2003 bit 43-71 (when used for Acceptor name and location)

Datatype: "Max99Text" on page 1542

44.1.16.6.7 Address <Adr>

Presence: [0..1]

Definition: Address of the entity.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.16.6.8 Email <Email>

Presence: [0..1]

Definition: Electronic mail address.

Datatype: "Max256Text" on page 1538

44.1.16.6.9 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.16.6.10 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Collection of information that identifies a phone number as defined by telecom services.

Datatype: "Max35Text" on page 1539

44.1.16.6.11 CustomerService <CstmrSvc>

Presence: [0..1]

Definition: Phone number of the customer service.

Datatype: "Max35Text" on page 1539

44.1.16.6.12 AdditionalContactInformation <AddtlCtctInf>

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 1538

44.1.16.6.13 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..1]

Definition: Identification of a party by its tax registration number.

Datatype: "Max35Text" on page 1539

44.1.16.7 PartyIdentification198

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1226
	Assigner <Assgnr>	[0..1]	CodeSet		1226
	Country <Ctry>	[0..1]	CodeSet		1227
	ShortName <ShrtNm>	[0..1]	Text		1227

44.1.16.7.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1539

44.1.16.7.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "PartyType18Code" on page 1505

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.1.16.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.16.7.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1539

44.1.16.8 PartyIdentification197

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.16.8.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1539

44.1.16.8.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1539

44.1.16.8.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.16.8.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1539

44.1.16.8.5 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification of the party.

Datatype: "Max35Text" on page 1539

44.1.16.9 GenericIdentification172

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1228
	Type <Tp>	[0..1]	CodeSet		1228
	OtherType <OthrTp>	[0..1]	Text		1229
	Assigner <Assgnr>	[0..1]	CodeSet		1229
	Country <Ctry>	[0..1]	Text		1229
	ShortName <ShrtNm>	[0..1]	Text		1229

44.1.16.9.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1539

44.1.16.9.2 Type <Tp>

Presence: [0..1]

Definition: Type of identified entity.

Datatype: "PartyType17Code" on page 1505

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.1.16.9.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of identification.

Datatype: "Max35Text" on page 1539

44.1.16.9.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity type in charge of assigning an identification.

Datatype: "PartyType18Code" on page 1505

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.1.16.9.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1542

44.1.16.9.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1539

44.1.17 Party Identification

44.1.17.1 Contact6

Definition: Details of a contact person.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.17.1.1 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.2 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.3 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.4 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.5 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1538

44.1.17.1.6 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1538

44.1.17.1.7 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1538

44.1.17.1.8 HomeFaxNumber <HomeFaxNb>

Presence: [0..1]

Definition: Home fax number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.9 BusinessFaxNumber <BizFaxNb>

Presence: [0..1]

Definition: Business fax number, as defined by telecom services.

Datatype: "PhoneNumber" on page 1543

44.1.17.1.10 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.17.1.11 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.17.2 PartyIdentification210

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PersonalIdentification <PrsnlId>	[0..1]	Text		1232
	EmployeeIdentification <Mplyeeld>	[0..1]	Text		1232
	Name <Nm>	[0..1]	Text		1232
	ProfessionalLevel <PrfssnlLvl>	[0..1]	Text		1232

44.1.17.2.1 PersonalIdentification <PrsnlId>

Presence: [0..1]

Definition: Contains the personal ID associated with the individual working in a temporary capacity.

Datatype: "Max35Text" on page 1539

44.1.17.2.2 EmployeeIdentification <Mplyeeld>

Presence: [0..1]

Definition: Contains the company-provided ID associated with the individual working in a temporary capacity.

Datatype: "PhoneNumber" on page 1543

44.1.17.2.3 Name <Nm>

Presence: [0..1]

Definition: Contains the name of the individual working in a temporary capacity.

Datatype: "Max70Text" on page 1541

44.1.17.2.4 ProfessionalLevel <PrfssnlLvl>

Presence: [0..1]

Definition: Contains the professional level of the individual working in a temporary capacity.

Datatype: "Max35Text" on page 1539

44.1.17.3 VehicleRentalCompany1

Definition: Company in charge of a vehicle rental service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1233
	Identification <Id>	[0..1]	±		1233
	Address <Adr>	[0..1]	±		1233
	Contact <Ctct>	[0..1]			1234
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1234
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1234
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1235
	Email <Email>	[0..1]	Text		1235
	FaxNumber <FaxNb>	[0..1]	Text		1235
	URLAddress <URLAdr>	[0..1]	Text		1235
	Language <Lang>	[0..1]	CodeSet	C3	1235
	Country <Ctry>	[0..1]	Text		1235
	Type <Tp>	[0..1]	CodeSet		1235
	OtherType <OthrTp>	[0..1]	Text		1236

44.1.17.3.1 Name <Nm>

Presence: [0..1]

Definition: Name of the vehicle rental company.

Datatype: "Max70Text" on page 1541

44.1.17.3.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the vehicle rental company.

Identification <Id> contains the following elements (see "PartyIdentification197" on page 1227 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1227
	Assigner <Assgnr>	[0..1]	Text		1227
	Country <Ctry>	[0..1]	CodeSet		1228
	ShortName <ShrtNm>	[0..1]	Text		1228
	AdditionalIdentification <AddtlId>	[0..1]	Text		1228

44.1.17.3.3 Address <Adr>

Presence: [0..1]

Definition: Address of the vehicle rental company.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.17.3.4 Contact <Ctct>

Presence: [0..1]

Definition: Contact details at vehicle rental company location.

Contact <Ctct> contains the following **Contact3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CentralPhoneNumber <CntrlPhneNb>	[0..1]	Text		1234
	PropertyPhoneNumber <PrprtyPhneNb>	[0..1]	Text		1234
	TollFreePhoneNumber <TollFreePhneNb>	[0..1]	Text		1235
	Email <Email>	[0..1]	Text		1235
	FaxNumber <FaxNb>	[0..1]	Text		1235
	URLAddress <URLAdr>	[0..1]	Text		1235
	Language <Lang>	[0..1]	CodeSet	C3	1235

44.1.17.3.4.1 CentralPhoneNumber <CntrlPhneNb>

Presence: [0..1]

Definition: Central phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.3.4.2 PropertyPhoneNumber <PrprtyPhneNb>

Presence: [0..1]

Definition: Property phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.3.4.3 TollFreePhoneNumber <TollFreePhneNb>

Presence: [0..1]

Definition: Toll-free phone number for the contact.

Datatype: "PhoneNumber" on page 1543

44.1.17.3.4.4 Email <Email>

Presence: [0..1]

Definition: Email address of contact.

Datatype: "Max256Text" on page 1538

44.1.17.3.4.5 FaxNumber <FaxNb>

Presence: [0..1]

Definition: Fax phone number.

Datatype: "PhoneNumber" on page 1543

44.1.17.3.4.6 URLAddress <URLAdr>

Presence: [0..1]

Definition: Universal Resource Locator (URL) address.

Datatype: "Max256Text" on page 1538

44.1.17.3.4.7 Language <Lang>

Presence: [0..1]

Definition: Language of the contact.

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.17.3.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the vehicle rental company.

ISO 3166

Datatype: "Min2Max3AlphaText" on page 1542

44.1.17.3.6 Type <Tp>

Presence: [0..1]

Definition: Type of vehicle rental activity.

Datatype: "CarRentalActivity1Code" on page 1479

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.
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
OTHR	Other	Other type of car rental activity.

44.1.17.3.7 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of vehicle rental activity.

Datatype: "Max35Text" on page 1539

44.1.17.4 PartyIdentification211

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FinancialInstitution <FI>	[0..1]	±		1236
	Customer <Cstmr>	[0..1]	±		1237

44.1.17.4.1 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 "FinancialInstitution4" on page 1140 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1140
	Name <Nm>	[0..1]	Text		1140
	Address <Adr>	[0..1]	±		1140
	Email <Email>	[0..1]	Text		1141
	URLAddress <URLAdr>	[0..1]	Text		1141
	PhoneNumber <PhneNb>	[0..1]	Text		1141
	CustomerService <CstmrSvc>	[0..1]	Text		1141
	AdditionalContactInformation <AddtlCtctInf>	[0..1]	Text		1141

44.1.17.4.2 Customer <Cstmr>

Presence: [0..1]

Definition: Customer-related data required by business and/or regulation (for example, money or funds transfer).

Customer <Cstmr> contains the following elements (see "Customer3" on page 1250 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1250
	Name <Nm>	[0..1]	Text		1250
	Address <Adr>	[0..1]	±		1250
	Credentials <Crdntls>	[0..*]	±		1251
	AdditionalInformation <AddtlInf>	[0..1]	Text		1251
	DateOfBirth <DtOfBirth>	[0..1]	Date		1251

44.1.17.5 PartyIdentification207

Definition: Identification of a party.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Code <Cd>	[0..1]	Text		1237
	Assigner <Assgnr>	[0..1]	Text		1237
	IATACode <IATACd>	[0..1]	Text		1237
	Name <Nm>	[0..1]	Text		1238
	ShortName <ShrtNm>	[0..1]	Text		1238
	Address <Adr>	[0..1]	±		1238
	Contact <Ctct>	[0..1]	±		1238

44.1.17.5.1 Code <Cd>

Presence: [0..1]

Definition: Contains an agency code or name.

Datatype: "Max35Text" on page 1539

44.1.17.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Assigner of the code.

Datatype: "Max35Text" on page 1539

44.1.17.5.3 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 1539

44.1.17.5.4 Name <Nm>

Presence: [0..1]

Definition: Name of the company.

Datatype: "Max70Text" on page 1541

44.1.17.5.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the company.

Datatype: "Max35Text" on page 1539

44.1.17.5.6 Address <Adr>

Presence: [0..1]

Definition: Address of the customer.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.17.5.7 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1230 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.17.6 Originator1

Definition: Originator of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1239
	Assigner <Assgnr>	[0..1]	Text		1239
	Country <Ctry>	[0..1]	CodeSet		1239
	ShortName <ShrtNm>	[0..1]	Text		1240

44.1.17.6.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the originator of the transaction.

Datatype: "Max35Text" on page 1539

44.1.17.6.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the originator identification.

Datatype: "Max35Text" on page 1539

44.1.17.6.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the originator.

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.17.6.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the originator.

Datatype: "Max35Text" on page 1539

44.1.17.7 Destination1

Definition: Destination of the message.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1240
	Assigner <Assgnr>	[0..1]	Text		1240
	Country <Ctry>	[0..1]	CodeSet		1240
	ShortName <ShrtNm>	[0..1]	Text		1240

44.1.17.7.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the destination of the transaction.

Datatype: "Max35Text" on page 1539

44.1.17.7.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Identification of the entity assigning the destination identification.

Datatype: "Max35Text" on page 1539

44.1.17.7.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the destination.

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.17.7.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the destination.

Datatype: "Max35Text" on page 1539

44.1.18 Person Identification

44.1.18.1 PINData1

Definition: Attributes of a cardholder PIN.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1241
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1241
	DerivedInformation <DrvdInf>	[0..1]	Text		1241
	Algorithm <Algo>	[0..1]	Text		1242
	KeyLength <KeyLngth>	[0..1]	Text		1242
	KeyProtection <KeyPrctn>	[0..1]	Text		1242
	KeyIndex <KeyIndx>	[0..1]	Text		1242
	PINBlockFormat <PINBlckFmt>	[1..1]	Text		1242
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1242

44.1.18.1.1 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 1533

44.1.18.1.2 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 1542

44.1.18.1.3 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 1538

44.1.18.1.4 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 1538

44.1.18.1.5 KeyLength <KeyLngth>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1540

44.1.18.1.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1538

44.1.18.1.7 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 1540

44.1.18.1.8 PINBlockFormat <PINBlckFrmt>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Datatype: "Max2NumericText" on page 1538

44.1.18.1.9 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: As defined in ISO 9564-1.

Binary, length of 8 or 16

Datatype: "Max16HexBinaryText" on page 1536

44.1.18.2 LoyaltyMember1

Definition: Details about a member of a loyalty programme.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1243
	Address <Adr>	[0..1]	±		1243
	Identification <Id>	[0..1]	Text		1244
	MemberStatus <MmbSts>	[0..1]	Text		1244
	ExpirationDate <XprtnDt>	[0..1]	Date		1244
	LoyaltyValue <LtyVal>	[0..1]	Text		1244
	LoyaltyValueType <LtyValTp>	[0..1]	CodeSet		1244
	OtherLoyaltyValueType <OthrLtyValTp>	[0..1]	Text		1244
	ValueToCredit <ValToCdt>	[0..1]	Text		1244
	ValueToDebit <ValToDbt>	[0..1]	Text		1245
	Balance <Bal>	[0..1]	Text		1245

44.1.18.2.1 Name <Nm>

Presence: [0..1]

Definition: Name of the member of the loyalty programme.

Datatype: "Max35Text" on page 1539

44.1.18.2.2 Address <Adr>

Presence: [0..1]

Definition: Address of the loyalty member.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.18.2.3 Identification <Id>

Presence: [0..1]

Definition: Identification of the member of the loyalty programme.

Datatype: "Max35Text" on page 1539

44.1.18.2.4 MemberStatus <MmbSts>

Presence: [0..1]

Definition: Status of the loyalty programme member for the programme.

Datatype: "Max35Text" on page 1539

44.1.18.2.5 ExpirationDate <XprtnDt>

Presence: [0..1]

Definition: Expiration date of the loyalty programme.

Datatype: "ISODate" on page 1530

44.1.18.2.6 LoyaltyValue <LltyVal>

Presence: [0..1]

Definition: Value expressed in type of value for the loyalty programme.

Datatype: "Max10NumericText" on page 1535

44.1.18.2.7 LoyaltyValueType <LltyValTp>

Presence: [0..1]

Definition: Type of value used for the loyalty programme.

Datatype: "LoyaltyValueType1Code" on page 1497

CodeName	Name	Definition
MILE	Miles	Value expressed in miles.
MONE	Monetary	Value expressed in monetary units.
OTHR	Other	Value expressed in any other type of loyalty value.
POIN	Points	Value expressed in points.
PRIV	PrivateCurrency	Value expressed in a private currency.

44.1.18.2.8 OtherLoyaltyValueType <OthrLltyValTp>

Presence: [0..1]

Definition: Other type of loyalty value used for the programme.

Datatype: "Max35Text" on page 1539

44.1.18.2.9 ValueToCredit <ValToCdt>

Presence: [0..1]

Definition: Value to be credited on the account of the loyalty programme member. Computed on the monetary part actually paid by the customer for the service.

Datatype: "Max10NumericText" on page 1535

44.1.18.2.10 ValueToDebit <ValToDbt>

Presence: [0..1]

Definition: Value to be debited from the account of the loyalty programme member. Computed on the monetary part actually redeemed by the customer for the service.

Datatype: "Max10NumericText" on page 1535

44.1.18.2.11 Balance <Bal>

Presence: [0..1]

Definition: Value on the account of the loyalty programme member after credit (computation on actual payment in monetary value) and debit (redemption in loyalty value).

Datatype: "Max10NumericText" on page 1535

44.1.18.3 Customer6

Definition: Details of the customer

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountNumber <AcctNb>	[0..1]	Text		1245
	Name <Nm>	[0..1]	Text		1245
	PhoneNumber <PhneNb>	[0..1]	Text		1245

44.1.18.3.1 AccountNumber <AcctNb>

Presence: [0..1]

Definition: Customer account number with the service provider.

Datatype: "Max35Text" on page 1539

44.1.18.3.2 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1541

44.1.18.3.3 PhoneNumber <PhneNb>

Presence: [0..1]

Definition: Customer's primary contact phone number.

Datatype: "PhoneNumber" on page 1543

44.1.18.4 Customer5

Definition: Details of the customer

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1246
	Identification <Id>	[1..1]			1246
	Type <Tp>	[1..1]	Text		1246
	OtherType <OthrTp>	[0..1]	Text		1246
	Identification <Id>	[1..1]	Text		1247
	Assigner <Assgnr>	[0..1]	Text		1247
	CustomerFileReferenceNumber <CstmrFileRefNb>	[0..1]	Text		1247
	Age <Age>	[0..1]	Text		1247
	Address <Adr>	[0..1]	±		1247
	Contact <Ctct>	[0..1]	±		1247

44.1.18.4.1 Name <Nm>

Presence: [0..1]

Definition: Name of the customer.

Datatype: "Max70Text" on page 1541

44.1.18.4.2 Identification <Id>

Presence: [1..1]

Definition: Details of the party identification.

Identification <Id> contains the following **PartyIdentification208** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1246
	OtherType <OthrTp>	[0..1]	Text		1246
	Identification <Id>	[1..1]	Text		1247
	Assigner <Assgnr>	[0..1]	Text		1247

44.1.18.4.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of identification.

Datatype: "Max4Text" on page 1540

44.1.18.4.2.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of identification.

Datatype: "Max35Text" on page 1539

44.1.18.4.2.3 Identification <Id>

Presence: [1..1]

Definition: Identification of the party.

Datatype: "Max70Text" on page 1541

44.1.18.4.2.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "Max35Text" on page 1539

44.1.18.4.3 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 1541

44.1.18.4.4 Age <Age>

Presence: [0..1]

Definition: Age of the customer.

Datatype: "Max2NumericText" on page 1538

44.1.18.4.5 Address <Adr>

Presence: [0..1]

Definition: Address details of the customer.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.18.4.6 Contact <Ctct>

Presence: [0..1]

Definition: Contact information related to the customer.

Contact <Ctct> contains the following elements (see "Contact6" on page 1230 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1230
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1230
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1230
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1230
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1231
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1231
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1231
	HomeFaxNumber <HomeFaxNb>	[0..1]	Text		1231
	BusinessFaxNumber <BizFaxNb>	[0..1]	Text		1231
	URLAddress <URLAdr>	[0..1]	Text		1231
	Language <Lang>	[0..1]	CodeSet	C3	1231

44.1.18.5 Customer4

Definition: Information related to a consumer or a company.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1248
	ReferenceNumber <RefNb>	[0..1]	Text		1249
	TaxRegistrationIdentification <TaxRegnId>	[0..*]	Text		1249
	AuthorisedContactCompany <AuthrsdCtctCpny>	[0..1]	Text		1249
	AuthorisedContactName <AuthrsdCtctNm>	[0..1]	Text		1249
	AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>	[0..1]	Text		1249
	VIPIndicator <VIPInd>	[0..1]	Indicator		1249
	CustomerRelationship <CstmrRltsh>	[0..1]	Text		1249

44.1.18.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of customer.

Datatype: "CustomerType2Code" on page 1483

CodeName	Name	Definition
CSMR	Consumer	Consumer
CPNY	Company	Company

44.1.18.5.2 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 1539

44.1.18.5.3 TaxRegistrationIdentification <TaxRegnId>

Presence: [0..*]

Definition: Identification of the customer recognized by the taxation authority.

Datatype: "Max70Text" on page 1541

44.1.18.5.4 AuthorisedContactCompany <AuthrsdCtctCpny>

Presence: [0..1]

Definition: Contact at the company.

Datatype: "Max70Text" on page 1541

44.1.18.5.5 AuthorisedContactName <AuthrsdCtctNm>

Presence: [0..1]

Definition: Corporate individual or company (cardholder or their company) to be contacted for authorised purchases.

Datatype: "Max70Text" on page 1541

44.1.18.5.6 AuthorisedContactPhoneNumber <AuthrsdCtctPhneNb>

Presence: [0..1]

Definition: Phone number of an individual or company contacted for company authorised purchases.

Datatype: "PhoneNumber" on page 1543

44.1.18.5.7 VIPIndicator <VIPInd>

Presence: [0..1]

Definition: Very Important Person indicator.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.18.5.8 CustomerRelationship <CstmrRltsh>

Presence: [0..1]

Definition: Customer relationship identifier.

Datatype: "Max35Text" on page 1539

44.1.18.6 Customer3

Definition: Identifies the customer in a transfer of money.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1250
	Name <Nm>	[0..1]	Text		1250
	Address <Adr>	[0..1]	±		1250
	Credentials <Crntls>	[0..*]	±		1251
	AdditionalInformation <AddtlInf>	[0..1]	Text		1251
	DateOfBirth <DtOfBirth>	[0..1]	Date		1251

44.1.18.6.1 CustomerIdentification <Cstmrlid>

Presence: [0..1]

Definition: Identification of the customer assigned by a party.

Datatype: "Max35Text" on page 1539

44.1.18.6.2 Name <Nm>

Presence: [0..1]

Definition: Name of the financial customer.

Datatype: "Max70Text" on page 1541

44.1.18.6.3 Address <Adr>

Presence: [0..1]

Definition: Address of the financial customer.

Address <Adr> contains the following elements (see "Address1" on page 840 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine1 <AdrLine1>	[0..1]	Text		840
	AddressLine2 <AdrLine2>	[0..1]	Text		840
	StreetName <StrtNm>	[0..1]	Text		841
	BuildingNumber <BldgNb>	[0..1]	Text		841
	PostalCode <PstlCd>	[0..1]	Text		841
	TownName <TwnNm>	[0..1]	Text		841
	CountrySubDivisionMinor <CtrySubDvsnMnr>	[0..1]	Text		841
	CountrySubDivisionMajor <CtrySubDvsnMjr>	[0..1]	Text		841
	Country <Ctry>	[0..1]	Text		841

44.1.18.6.4 Credentials <Crntls>

Presence: [0..*]

Definition: Credentials of the financial customer.

Credentials <Crntls> contains the following elements (see "[Credentials1](#)" on page 1251 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	IdentificationCode <IdCd>	[1..1]	CodeSet		1251
	OtherIdentificationCode <OthrIdCd>	[0..1]	Text		1252
	IdentificationValue <IdVal>	[1..1]	Text		1252

44.1.18.6.5 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the customer.

Datatype: "[Max256Text](#)" on page 1538

44.1.18.6.6 DateOfBirth <DtOfBirth>

Presence: [0..1]

Definition: Date of birth of the party.

Datatype: "[ISODate](#)" on page 1530

44.1.18.7 Credentials1

Definition: Contains credential information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	IdentificationCode <IdCd>	[1..1]	CodeSet		1251
	OtherIdentificationCode <OthrIdCd>	[0..1]	Text		1252
	IdentificationValue <IdVal>	[1..1]	Text		1252

44.1.18.7.1 IdentificationCode <IdCd>

Presence: [1..1]

Definition: Identification of the type of credential.

Datatype: "[Identification2Code](#)" on page 1490

CodeName	Name	Definition
DRID	DriverLicenceIdentification	Driver licence identification.
NTID	NationalIdentifier	National identification.
PASS	PassportNumber	Passport number.
SSYN	SocialSecurityNumber	Social security number.
ARNB	AlienRegistrationNumber	Alien registration number.

CodeName	Name	Definition
OTHP	OtherPrivate	Other identification provided at private level.
OTHN	OtherNational	Other identification assigned at national level.
EMAL	Email	E-mail.
PHNB	PhoneNumber	Phone number.

44.1.18.7.2 OtherIdentificationCode <OthrIdCd>

Presence: [0..1]

Definition: Used when OtherNational or OtherPrivate value is selected in identification code list.

Datatype: "Max35Text" on page 1539

44.1.18.7.3 IdentificationValue <IdVal>

Presence: [1..1]

Definition: Value of identification.

Datatype: "Max70Text" on page 1541

44.1.18.8 Contact1

Definition: Contact person details.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		1252
	HomePhoneNumber <HomePhneNb>	[0..1]	Text		1252
	BusinessPhoneNumber <BizPhneNb>	[0..1]	Text		1253
	MobilePhoneNumber <MobPhneNb>	[0..1]	Text		1253
	OtherPhoneNumber <OthrPhneNb>	[0..1]	Text		1253
	PersonalEmailAddress <PrsnlEmailAdr>	[0..1]	Text		1253
	BusinessEmailAddress <BizEmailAdr>	[0..1]	Text		1253
	OtherEmailAddress <OthrEmailAdr>	[0..1]	Text		1253
	Language <Lang>	[0..1]	CodeSet		1253

44.1.18.8.1 Name <Nm>

Presence: [0..1]

Definition: Name of the contact person.

Datatype: "Max70Text" on page 1541

44.1.18.8.2 HomePhoneNumber <HomePhneNb>

Presence: [0..1]

Definition: Home phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.18.8.3 BusinessPhoneNumber <BizPhneNb>

Presence: [0..1]

Definition: Business phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.18.8.4 MobilePhoneNumber <MobPhneNb>

Presence: [0..1]

Definition: Mobile phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.18.8.5 OtherPhoneNumber <OthrPhneNb>

Presence: [0..1]

Definition: Other phone number of contact.

Datatype: "PhoneNumber" on page 1543

44.1.18.8.6 PersonalEmailAddress <PrsnlEmailAdr>

Presence: [0..1]

Definition: Personal email address of contact.

Datatype: "Max256Text" on page 1538

44.1.18.8.7 BusinessEmailAddress <BizEmailAdr>

Presence: [0..1]

Definition: Business email address of contact.

Datatype: "Max256Text" on page 1538

44.1.18.8.8 OtherEmailAddress <OthrEmailAdr>

Presence: [0..1]

Definition: Other email address of contact.

Datatype: "Max256Text" on page 1538

44.1.18.8.9 Language <Lang>

Presence: [0..1]

Definition: Language of the contact person.

Datatype: "ISO2ALanguageCode" on page 1492

44.1.19 POI Component

44.1.19.1 Capabilities1

Definition: Capabilities of the terminal.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <CardRdngCpblty>	[0..*]	CodeSet		1254
	OtherCardReadingCapabilities <OthrCardRdngCpblties>	[0..*]	Text		1255
	CardWritingCapabilities <CardWrtgCpblties>	[0..*]	CodeSet		1255
	OtherCardWritingCapabilities <OthrCardWrtgCpblties>	[0..*]	Text		1255
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1255
	ApprovalCodeLength <ApprvICdLngh>	[0..1]	Quantity		1256
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1256
	PINPadInoperative <PINPadInprtv>	[0..1]	Indicator		1256
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1256
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		1257
	MessageCapabilities <MsgCpblties>	[0..*]			1257
	Destination <Dstn>	[1..1]	CodeSet		1257
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1257
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1258
	LineWidth <LineWidth>	[0..1]	Quantity		1258
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1258
	CardholderVerificationCapability <CrhdldrVrfctnCpblty>	[0..*]	±		1258

44.1.19.1.1 CardReadingCapability <CardRdngCpblty>

Presence: [0..*]

Definition: Card reading capabilities of the terminal performing the transaction.

ISO 8583:93 bit 22-2; ISO 8583:2003 bit 27-1

Datatype: "CardDataReading7Code" on page 1476

CodeName	Name	Definition
CDFL	CardOnFile	Card information are stored on a file.
ICPY	ICCProximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
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	MSIPProximity	Magstripe image contactless proximity

CodeName	Name	Definition
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
OTHN	OtherNational	Other national capability type assigned at national level.
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.
KEEN	KeyEntered	Key entered.

44.1.19.1.2 OtherCardReadingCapabilities <OthrCardRdngCpblties>

Presence: [0..*]

Definition: Other types of card reading capabilities.

Datatype: "Max35Text" on page 1539

44.1.19.1.3 CardWritingCapabilities <CardWrtgCpblties>

Presence: [0..*]

Definition: Card writing or output capabilities of the terminal performing the transaction.

ISO 8583:93 bit 22-10, ISO 8583:2003 bit 27-8_9.

Datatype: "CardDataWriting1Code" on page 1476

CodeName	Name	Definition
ICPY	ICCPximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
MSIP	MSIPximity	Magstripe image contactless proximity
OTHN	OtherNational	Other national capability type assigned at national level.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.

44.1.19.1.4 OtherCardWritingCapabilities <OthrCardWrtgCpblties>

Presence: [0..*]

Definition: Other card writing or output capabilities of the terminal performing the transaction.

Datatype: "Max35Text" on page 1539

44.1.19.1.5 PINLengthCapabilities <PINLnghCpblties>

Presence: [0..1]

Definition: Maximum number of digits that the Point of Interaction is able to accept when the cardholder enters its PIN.

ISO 8583:87 bit 26, ISO 8583:93 bit 22-12, ISO 8583:2003 bit 27-11.

Datatype: "Number" on page 1532

44.1.19.1.6 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code that the acquirer is able to manage.

ISO 8583:87 & 93 bit 27, ISO 8583:2003-1 bit 27-3

Datatype: "Number" on page 1532

44.1.19.1.7 MaxScriptLength <MxScrpLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

ISO 8583:2003 bit 27-8

Datatype: "Number" on page 1532

44.1.19.1.8 PINPadInoperative <PINPadInprtv>

Presence: [0..1]

Definition: PIN pad is inoperative.

Default: False - PIN pad is operative or not applicable.

True: PIN pas is inoperative.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.1.9 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.

ISO 8583:87 bit 25, ISO 8583:93 bit 22-3, ISO 8583:2003 bit 27-10.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.1.10 OnLineCapabilities <OnLineCpblties>

Presence: [0..1]

Definition: Capability of the terminal to go online.

Datatype: "OnLineCapability2Code" on page 1504

CodeName	Name	Definition
OFLN	OffLine	Off-line only capable.
ONLN	OnLine	On-line only capable.
BOTH	BothOnLineAndOffLine	Both online and offline

44.1.19.1.11 MessageCapabilities <MsgCpblties>

Presence: [0..*]

Definition: Capability of the terminal to display or print messages to the cardholder or the merchant.

ISO 8583:93 bit 22-11, ISO 8583:2003-1 bit 27-4,5, 6, 7

MessageCapabilities <MsgCpblties> contains the following **DisplayCapabilities6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstrn>	[1..1]	CodeSet		1257
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1257
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1258
	LineWidth <LineWidth>	[0..1]	Quantity		1258
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1258

44.1.19.1.11.1 Destination <Dstrn>

Presence: [1..1]

Definition: Destination of the message to present.

Datatype: "UserInterface1Code" on page 1527

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

44.1.19.1.11.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 1504

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.

44.1.19.1.11.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 1532

44.1.19.1.11.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 1532

44.1.19.1.11.5 AvailableLanguage <AvlBlLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1494

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

44.1.19.1.12 CardholderVerificationCapability <CrdhldrVrfctnCpbly>

Presence: [0..*]

Definition: Cardholder verification capabilities performing the transaction at the point of service.

ISO 8583:93 bit 22-2, ISO 8583:2003 bit 27-2

CardholderVerificationCapability <CrdhldrVrfctnCpbly> contains the following elements (see "CardholderVerificationCapabilities1" on page 1280 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Capability <Cpbly>	[1..1]	CodeSet		1280
	OtherCapability <OthrCpbly>	[0..1]	Text		1281

44.1.19.2 PointOfServiceContext2

Definition: Context of the transaction at the point of service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1259
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1260
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1260
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1260
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1261
	UnattendedLevelCategory <UattnddLvlCtgy>	[0..1]	Text		1261
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1261
	ECommerceData <EComrcData>	[0..*]			1261
	Type <Tp>	[1..1]	Text		1262
	Value <Val>	[1..1]	Text		1262
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1262
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1262
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1263
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1263
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1264
	CardDataEntryMode <CardDataNtryMd>	[0..1]	CodeSet		1264
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1265
	StorageLocation <StorgLctn>	[0..1]	Text		1265
	SpecialConditions <SpclConds>	[0..*]			1265
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

44.1.19.2.1 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.

ISO 8583:87 bit 25, ISO 8583:93 bit 22-6.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.2.2 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.

ISO 8583:87 bit 25, ISO 8583:93 bit 22-5

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.2.3 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.

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.2.4 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 1530](#)):

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

44.1.19.2.5 AttendedIndicator <AttnddInd>

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

ISO 8583:87 bit 25, ISO 8583:93 bit 22-4

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.2.6 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: ["Max35NumericText" on page 1539](#)

44.1.19.2.7 ECommerceIndicator <EComrcInd>

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

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.2.8 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		1262
	Value <Val>	[1..1]	Text		1262

44.1.19.2.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 1539

44.1.19.2.8.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 1537

44.1.19.2.9 MOTOIndicator <MOTOInd>

Presence: [0..1]

Definition: Indicates whether the context of the point of service is a MOTO one or not.

True: MOTO

False: non-MOTO

Default: False

ISO 8583:2003 bit 25

ISO 8583:2003 bit 22-5

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.2.10 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 1530):

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

44.1.19.2.11 DelayedAuthorisationIndicator <DelydAuthstnInd>

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 1530):

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

44.1.19.2.12 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process.

ISO 8583:2003 bit 22-4

Datatype: "SecurityCharacteristics1Code" on page 1518

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.

CodeName	Name	Definition
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.
OTHN	OtherNational	Other security characteristics defined at national level
OTHP	OtherPrivate	Other security characteristics defined at private level

44.1.19.2.13 OtherSecurityCharacteristics <OthrSctyChrtcs>

Presence: [0..1]

Definition: Other security characteristics.

Datatype: "Max35Text" on page 1539

44.1.19.2.14 CardDataEntryMode <CardDataNtryMd>

Presence: [0..1]

Definition: Entry mode of the card data for the transaction.

ISO 8583:87 bit 22 (1-2), ISO 8583:93 bit 22-7, ISO 8583:2003 bit 22-1

Datatype: "CardDataReading7Code" on page 1476

CodeName	Name	Definition
CDFL	CardOnFile	Card information are stored on a file.
ICPY	ICCPximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
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	MSIPproximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
OTHN	OtherNational	Other national capability type assigned at national level.

CodeName	Name	Definition
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.
KEEN	KeyEntered	Key entered.

44.1.19.2.15 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 1539

44.1.19.2.16 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 1539

44.1.19.2.17 SpecialConditions <SpclConds>

Presence: [0..*]

Definition: Data used to assign specific conditions at the card acceptor location and decided by bilateral agreements.

SpecialConditions <SpclConds> contains the following **SpecialConditions1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1265
	Value <Val>	[0..1]	Text		1265

44.1.19.2.17.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the special condition.

Datatype: "Max35Text" on page 1539

44.1.19.2.17.2 Value <Val>

Presence: [0..1]

Definition: Level of the condition.

Datatype: "Max35Text" on page 1539

44.1.19.3 PointOfServiceContext1

Definition: Context of the transaction at the point of service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardPresent <CardPres>	[0..1]	Indicator		1266
	CardholderPresent <CrdhldrPres>	[0..1]	Indicator		1267
	CardholderActivated <CrdhldrActvtd>	[0..1]	Indicator		1267
	TransponderInitiated <TrnspndrInittd>	[0..1]	Indicator		1267
	AttendedIndicator <AttnddInd>	[0..1]	Indicator		1267
	UnattendedLevelCategory <UattnddLv/Ctgy>	[0..1]	Text		1268
	ECommerceIndicator <EComrcInd>	[0..1]	Indicator		1268
	ECommerceData <EComrcData>	[0..*]			1268
	Type <Tp>	[1..1]	Text		1269
	Value <Val>	[1..1]	Text		1269
	MOTOIndicator <MOTOInd>	[0..1]	Indicator		1269
	PartialApprovalSupported <PrtlApprvlSpprtd>	[0..1]	Indicator		1269
	DelayedAuthorisationIndicator <DelydAuthstnInd>	[0..1]	Indicator		1269
	SecurityCharacteristics <SctyChrtcs>	[0..*]	CodeSet		1270
	OtherSecurityCharacteristics <OthrSctyChrtcs>	[0..1]	Text		1271
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1271
	OtherCardDataEntryMode <OthrCardDataNtryMd>	[0..1]	Text		1272
	StorageLocation <StorgLctn>	[0..1]	Text		1272
	SpecialConditions <SpclConds>	[0..*]			1272
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

44.1.19.3.1 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.

ISO 8583:87 bit 25, ISO 8583:93 bit 22-6.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.3.2 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.

ISO 8583:87 bit 25, ISO 8583:93 bit 22-5

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.3.3 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.

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1530](#)):

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

44.1.19.3.4 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 1530](#)):

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

44.1.19.3.5 AttendedIndicator <AttnddInd>

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

ISO 8583:87 bit 25, ISO 8583:93 bit 22-4, ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1530):

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

44.1.19.3.6 UnattendedLevelCategory <UattnddLvlCtgy>

Presence: [0..1]

Definition: Transaction category level on an unattended terminal.

Datatype: ["Max35NumericText"](#) on page 1539

44.1.19.3.7 ECommerceIndicator <EComrcInd>

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

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1530):

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

44.1.19.3.8 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		1269
	Value <Val>	[1..1]	Text		1269

44.1.19.3.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ecommerce data (for example ,ECI level, downgrade reason, etc).

Datatype: "Max35Text" on page 1539

44.1.19.3.8.2 Value <Val>

Presence: [1..1]

Definition: Value related to a specific ecommerce type.

Datatype: "Max2048Text" on page 1537

44.1.19.3.9 MOTOIndicator <MOTOInd>

Presence: [0..1]

Definition: Indicates whether the context of the point of service is a MOTO one or not.

True: MOTO

False: non-MOTO

Default: False

ISO 8583:2003 bit 25

ISO 8583:2003 bit 22-5

ISO 8583:2003 bit 22-3

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.19.3.10 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 1530):

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

44.1.19.3.11 DelayedAuthorisationIndicator <DelydAuthstnInd>

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 1530):

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

44.1.19.3.12 SecurityCharacteristics <SctyChrtcs>

Presence: [0..*]

Definition: Security characteristics of the communication link in the card acceptance process.

ISO 8583:2003 bit 22-4

Datatype: "SecurityCharacteristics1Code" on page 1518

CodeName	Name	Definition
CETE	CardholderEndToEndEncryption	Encryption initiated by the cardholder to secure end-to-end communication channel.
CPTTE	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.
OTHN	OtherNational	Other security characteristics defined at national level
OTHP	OtherPrivate	Other security characteristics defined at private level

44.1.19.3.13 OtherSecurityCharacteristics <OthrSctyChrtcs>

Presence: [0..1]

Definition: Other security characteristics.

Datatype: "Max35Text" on page 1539

44.1.19.3.14 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode of the card data for the transaction

ISO 8583:87 bit 22 (1-2), ISO 8583:93 bit 22-7, ISO 8583:2003 bit 22-1

Datatype: "CardDataReading7Code" on page 1476

CodeName	Name	Definition
CDFL	CardOnFile	Card information are stored on a file.
ICPY	ICCPximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
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.)
OTHN	OtherNational	Other national capability type assigned at national level.
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.

CodeName	Name	Definition
KEEN	KeyEntered	Key entered.

44.1.19.3.15 OtherCardDataEntryMode <OthrCardDataNtryMd>

Presence: [0..1]

Definition: Other type of card data entry mode.

Datatype: "Max35Text" on page 1539

44.1.19.3.16 StorageLocation <StorgLctn>

Presence: [0..1]

Definition: Storage location of payment credential (for example, Acceptor or third party wallet).

Datatype: "Max35Text" on page 1539

44.1.19.3.17 SpecialConditions <SpclConds>

Presence: [0..*]

Definition: Data used to assign specific conditions at the card acceptor location and decided by bilateral agreements.

SpecialConditions <SpclConds> contains the following **SpecialConditions1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1272
	Value <Val>	[0..1]	Text		1272

44.1.19.3.17.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the special condition.

Datatype: "Max35Text" on page 1539

44.1.19.3.17.2 Value <Val>

Presence: [0..1]

Definition: Level of the condition.

Datatype: "Max35Text" on page 1539

44.1.19.4 TerminalIdentification2

Definition: Identification of the terminal performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1273
	Type <Tp>	[0..1]	CodeSet		1273
	OtherType <OthrTp>	[0..1]	Text		1273
	Assigner <Assgnr>	[0..1]	Text		1273
	Country <Ctry>	[0..1]	Text		1273
	ShortName <ShrtNm>	[0..1]	Text		1274

44.1.19.4.1 Identification <Id>*Presence:* [0..1]*Definition:* Identification of the terminal.

ISO 8583 bit 41

Datatype: "Max16Text" on page 1536**44.1.19.4.2 Type <Tp>***Presence:* [0..1]*Definition:* Type of terminal.*Datatype:* "TerminalType1Code" on page 1521

CodeName	Name	Definition
ATMT	ATM	Automated Teller Machine
MPOS	mPOS	Mobile or tablet used as a Point of Sale terminal
OTHN	OtherNational	Other type defined at national level
OTHP	OtherPrivate	Other private type of terminal.
POST	POS	Point of Sale terminal.

44.1.19.4.3 OtherType <OthrTp>*Presence:* [0..1]*Definition:* Other type of terminal.*Datatype:* "Max35Text" on page 1539**44.1.19.4.4 Assigner <Assgnr>***Presence:* [0..1]*Definition:* Assignor of the terminal identification.*Datatype:* "Max35Text" on page 1539**44.1.19.4.5 Country <Ctry>***Presence:* [0..1]

Definition: Country of the terminal.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.19.4.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the terminal.

Datatype: "Max35Text" on page 1539

44.1.19.5 TerminalIdentification1

Definition: Identification of the terminal performing the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1274
	Assigner <Assgnr>	[0..1]	Text		1274
	Country <Ctry>	[0..1]	Text		1274
	ShortName <ShrtNm>	[0..1]	Text		1274

44.1.19.5.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the terminal.

ISO 8583 bit 41

Datatype: "Max16Text" on page 1536

44.1.19.5.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Assignor of the terminal identification.

Datatype: "Max35Text" on page 1539

44.1.19.5.3 Country <Ctry>

Presence: [0..1]

Definition: Country of the terminal.

Datatype: "Min2Max3AlphaText" on page 1542

44.1.19.5.4 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the terminal.

Datatype: "Max35Text" on page 1539

44.1.19.6 Terminal2

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnllId>	[1..1]	±		1275

44.1.19.6.1 TerminalIdentification <TermnllId>

Presence: [1..1]

Definition: Identification of the terminal performing the transaction.

TerminalIdentification <TermnllId> contains the following elements (see ["TerminalIdentification1" on page 1274](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1274
	Assigner <Assgnr>	[0..1]	Text		1274
	Country <Ctry>	[0..1]	Text		1274
	ShortName <ShrtNm>	[0..1]	Text		1274

44.1.19.7 Terminal1

Definition: Payment terminal or ATM performing the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TerminalIdentification <TermnllId>	[1..1]	±		1275
	Type <Tp>	[0..1]	CodeSet		1276
	OtherType <OthrTp>	[0..1]	Text		1276
	Capabilities <Cpblties>	[0..1]	±		1276
	TerminalIntegration <TermnllIntgtn>	[0..1]	CodeSet		1277
	OutdoorIndicator <OutdrInd>	[0..1]	Indicator		1277
	OffPremisesIndicator <OffPrmissInd>	[0..1]	Indicator		1278
	OnBoardIndicator <OnBrdInd>	[0..1]	Indicator		1278
	POIComponent <POICmpnt>	[0..*]	±		1278

44.1.19.7.1 TerminalIdentification <TermnllId>

Presence: [1..1]

Definition: Identification of the terminal performing the transaction.

TerminalIdentification <TermnIld> contains the following elements (see "TerminalIdentification1" on page 1274 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1274
	Assigner <Assgnr>	[0..1]	Text		1274
	Country <Ctry>	[0..1]	Text		1274
	ShortName <ShrtNm>	[0..1]	Text		1274

44.1.19.7.2 Type <Tp>

Presence: [0..1]

Definition: Type of terminal.

Datatype: "TerminalType1Code" on page 1521

CodeName	Name	Definition
ATMT	ATM	Automated Teller Machine
MPOS	mPOS	Mobile or tablet used as a Point of Sale terminal
OTHN	OtherNational	Other type defined at national level
OTHP	OtherPrivate	Other private type of terminal.
POST	POS	Point of Sale terminal.

44.1.19.7.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of terminal.

Datatype: "Max35Text" on page 1539

44.1.19.7.4 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the terminal

Capabilities <Cpblties> contains the following elements (see "Capabilities1" on page 1253 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadingCapability <CardRdngCpblty>	[0..*]	CodeSet		1254
	OtherCardReadingCapabilities <OthrCardRdngCpblties>	[0..*]	Text		1255
	CardWritingCapabilities <CardWrtgCpblties>	[0..*]	CodeSet		1255
	OtherCardWritingCapabilities <OthrCardWrtgCpblties>	[0..*]	Text		1255
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1255
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1256
	MaxScriptLength <MxScrptLngh>	[0..1]	Quantity		1256
	PINPadInoperative <PINPadInprtv>	[0..1]	Indicator		1256
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1256
	OnLineCapabilities <OnLineCpblties>	[0..1]	CodeSet		1257
	MessageCapabilities <MsgCpblties>	[0..*]			1257
	Destination <Dstn>	[1..1]	CodeSet		1257
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1257
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1258
	LineWidth <LineWidth>	[0..1]	Quantity		1258
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1258
	CardholderVerificationCapability <CrhdlrVrfctnCpblty>	[0..*]	±		1258

44.1.19.7.5 TerminalIntegration <TermnlIntgtn>

Presence: [0..1]

Definition: Type of terminal integration at a point of service location.

Datatype: "TerminalIntegrationCategory1Code" on page 1521

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.

44.1.19.7.6 OutdoorIndicator <OutdrInd>

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 1530):

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

44.1.19.7.7 OffPremisesIndicator <OffPrmissInd>

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.

ISO 8583:93 bit 22-4, ISO 8583:2003 bit 22-3.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1530):

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

44.1.19.7.8 OnBoardIndicator <OnBrdInd>

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 1530):

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

44.1.19.7.9 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 "PointOfInteractionComponent8" on page 1197 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1199
	Identification <Id>	[1..1]			1200
	ItemNumber <ItmNb>	[0..1]	Text		1200
	ProviderIdentification <PrvdrlId>	[0..1]	Text		1200
	Identification <Id>	[0..1]	Text		1200
	SerialNumber <SrlNb>	[0..1]	Text		1200
	Status <Sts>	[0..1]			1200
	VersionNumber <VrsnNb>	[0..1]	Text		1201
	Status <Sts>	[0..1]	CodeSet		1201
	ExpiryDate <XpryDt>	[0..1]	Date		1201
	StandardCompliance <StdCmplc>	[0..*]			1201
	Identification <Id>	[1..1]	Text		1201
	Version <Vrsn>	[1..1]	Text		1202
	Issuer <Issr>	[1..1]	Text		1202
	Characteristics <Chrtcs>	[0..1]			1202
	Memory <Mmry>	[0..*]			1202
	Identification <Id>	[1..1]	Text		1203
	TotalSize <TtlSz>	[1..1]	Quantity		1203
	FreeSize <FreeSz>	[1..1]	Quantity		1203
	Unit <Unit>	[1..1]	CodeSet		1203
	Communication <Com>	[0..*]			1203
	CommunicationType <ComTp>	[1..1]	CodeSet		1204
	RemoteParty <RmotPty>	[1..*]	CodeSet		1204
	Active <Actv>	[1..1]	Indicator		1205
	SecurityAccessModules <SctyAccsMdl>	[0..1]	Quantity		1205
	SubscriberIdentityModules <SbcbrldntyMdl>	[0..1]	Quantity		1205
	SecurityElement <SctyElmt>	[0..*]	±		1205
	Assessment <Assmnt>	[0..*]			1206
	Type <Tp>	[1..1]	CodeSet		1206
	Assigner <Assgnr>	[1..*]	Text		1207

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeliveryDate <DlvryDt>	[0..1]	DateTime		1207
	ExpirationDate <XprtnDt>	[0..1]	DateTime		1207
	Number <Nb>	[1..1]	Text		1207

44.1.19.8 CardholderVerificationCapabilities1

Definition: Cardholder verification capabilities performing the transaction at the point of service.

ISO 8583:87 bit 22-3, ISO 8583:93 bit 22-2, ISO 8583:2003 bit 27-2

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Capability <Cpblty>	[1..1]	CodeSet		1280
	OtherCapability <OthrCpblty>	[0..1]	Text		1281

44.1.19.8.1 Capability <Cpblty>

Presence: [1..1]

Definition: Cardholder verification capabilities performing the transaction at the point of service.

ISO 8583:93 bit 22-2, ISO 8583:2003-1 bit 27-2

Datatype: "CardholderVerificationCapability5Code" on page 1477

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).
OTHN	OtherNational	Other type of cardholder verification defined at national level
OTHP	OtherPrivate	Other type of cardholder verification defined in a private manner.
SIGN	Signature	Handwritten signature verification

CodeName	Name	Definition
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.

44.1.19.8.2 OtherCapability <OthrCpblty>

Presence: [0..1]

Definition: Other types of cardholder verification capabilities.

Datatype: "Max35Text" on page 1539

44.1.20 Rate

44.1.20.1 RentalRate1

Definition: Vehicle rental rate

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Period <Prd>	[0..1]	CodeSet		1281
	OtherPeriod <OthrPrd>	[0..1]	Text		1282
	Rate <Rate>	[0..1]	Amount		1282
	PeriodCount <PrdCnt>	[0..1]	Text		1282

44.1.20.1.1 Period <Prd>

Presence: [0..1]

Definition: Unit of measure used to compute the rental rate.

Datatype: "PeriodUnit3Code" on page 1510

CodeName	Name	Definition
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
MNTH	Months	Counted in months.
WEEK	Weeks	Counted in weeks.
YEAR	Years	Counted in years.
DAYS	Days	Counted in days.
EXDY	ExtraDays	Extra Days

44.1.20.1.2 OtherPeriod <OthrPrd>

Presence: [0..1]

Definition: Other unit of measure used to compute the rental rate.

Datatype: "Max35Text" on page 1539

44.1.20.1.3 Rate <Rate>

Presence: [0..1]

Definition: Rate applied to the vehicle rental for the specified period.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.20.1.4 PeriodCount <PrdCnt>

Presence: [0..1]

Definition: Duration of the period for which the rental rate is calculated.

Datatype: "Max4NumericText" on page 1540

44.1.21 Reconciliation

44.1.21.1 AdditionalFeeReconciliation1

Definition: Contains additional fee reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1282
	Type <Tp>	[1..1]	CodeSet		1282
	OtherType <OthrTp>	[0..1]	Text		1283
	Amount <Amt>	[1..1]	Amount		1283
	Count <Cnt>	[1..1]	Quantity		1283

44.1.21.1.1 ReconciliationImpact <RcncltnImpct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 1516

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

44.1.21.1.2 Type <Tp>

Presence: [1..1]

Definition: contains the list of additional fee types.

Datatype: "TypeOfAmount10Code" on page 1523

CodeName	Name	Definition
INTC	InterchangeFee	Interchange fee.
FEED	ProcessingFees	Processing fees.
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
FEEA	InternationalServiceAssessmentFees	International service assessment fees.

44.1.21.1.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other amount type defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.21.1.4 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 1451

44.1.21.1.5 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

44.1.21.2 Reconciliation3

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		1283
	Date <Dt>	[0..1]	Date		1284
	CheckpointReference <ChckptRef>	[0..1]	Text		1284

44.1.21.2.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the reconciliation.

Datatype: "Max35Text" on page 1539

44.1.21.2.2 Date <Dt>

Presence: [0..1]

Definition: Date of the reconciliation.

ISO 8583:93/2003 bit 28

Datatype: "ISODate" on page 1530

44.1.21.2.3 CheckpointReference <ChckptRef>

Presence: [0..1]

Definition: A value used to allow a period within a reconciliation date. Refer to ISO8583:2003 Field 29

Datatype: "Max35Text" on page 1539

44.1.21.3 MessageReconciliation1

Definition: Contains message reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1284
	OtherType <OthrTp>	[0..1]	Text		1285
	Count <Cnt>	[1..1]	Quantity		1285

44.1.21.3.1 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation message type.

Datatype: "ReconciliationMessageType1Code" on page 1516

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
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

CodeName	Name	Definition
FRRRI	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
RTRR	RetrievalRequest	Retrieval Request
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
BAMI	BatchManagementInitiation	Batch Management Initiation
BAMR	BatchManagementResponse	Batch Management Response
BATI	BatchTransferInitiation	Batch Transfer Initiation
ADDI	AddendumInitiation	Addendum initiation
ADDR	AddendumResponse	Addendum response

44.1.21.3.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other reconciliation message type defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.21.3.3 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

Datatype: "Number" on page 1532

44.1.21.4 FinancialReconciliation1

Definition: Contains financial reconciliation data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationImpact <RcncltnImpct>	[1..1]	CodeSet		1286
	Type <Tp>	[1..1]	CodeSet		1286
	OtherType <OthrTp>	[0..1]	Text		1286
	Amount <Amt>	[1..1]	Amount		1286
	Count <Cnt>	[1..1]	Quantity		1287

44.1.21.4.1 ReconciliationImpact <RcncltnImpct>

Presence: [1..1]

Definition: Reconciliation credit or debit indicator.

Datatype: "ReconciliationImpact1Code" on page 1516

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

44.1.21.4.2 Type <Tp>

Presence: [1..1]

Definition: Contains the reconciliation category.

Datatype: "ReconciliationCategory1Code" on page 1515

CodeName	Name	Definition
RVSL	Reversal	Reconciliation category is reversal.
OTHP	OtherPrivate	Reconciliation category is other private
OTHN	OtherNational	Reconciliation category is other national.
FNCL	Financial	Reconciliation category is financial.
CGBK	Chargeback	Reconciliation category is a chargeback.

44.1.21.4.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other reconciliation category defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.21.4.4 Amount <Amt>

Presence: [1..1]

Definition: Cumulative amount of all financial transactions.

ISO 8583:87 bit 86,87,88 & 89

ISO 8583:93 bit 86,87,88 ,89,105 & 106

ISO 8583:2003 bit 74-1,74-3,74-5,74-7,74-9 & 74-11

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.21.4.5 Count <Cnt>

Presence: [1..1]

Definition: Number of transactions.

ISO 8583:87 bit 74, 75, 76, 77, 78, 79 & 81

ISO 8583:93 bit 74, 75, 76, 77, 78, 79, 80, 81, 83, 84, 85, 90, 107 & 108

ISO 8583:2003 bit 74-2, 74-4, 74-6, 74-8, 74-10, 74-12, 75-1, 75-2, 75-4, 75-5, 75-6, 76-7, 75-8 & 75-9

Datatype: "Number" on page 1532

44.1.22 Reference Data

44.1.22.1 OriginalDataElements1

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 <MsgCls>	[0..1]	CodeSet		1288
	TransactionType <TxTp>	[0..1]	Text		1288
	AcquirerIdentification <Acqrrld>	[0..1]	Text		1289
	SenderIdIdentification <Sndrld>	[0..1]	Text		1289
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1289
	TimeZone <TmZone>	[0..1]	Text		1289
	TransactionReference <TxRef>	[0..1]	Text		1289
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1289
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		1290
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1290
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1290
	LifeCycleTraceIdentificationData <LifeCyclTracldData>	[0..1]	±		1290
	LifeCycleTraceIdentificationMissing <LifeCyclTracldMssng>	[0..1]	Text		1290
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1291
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1291
	CardIssuerReferenceData <CardlssrRefData>	[0..1]	Text		1291

44.1.22.1.1 MessageClass <MsgCls>

Presence: [0..1]

Definition: Message class of the original message.

Datatype: "MessageClass1Code" on page 1497

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.
INQY	Inquiry	Inquiry class of messages.
VERI	Verification	Verification class of messages.

44.1.22.1.2 TransactionType <TxTp>

Presence: [0..1]

Definition: Type of transaction associated with the main service.

ISO 8583:87/93/2003 bit 3

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.22.1.3 AcquirerIdentification <AcqrrId>

Presence: [0..1]

Definition: Code identifying the acquirer of the original message.

ISO 8583 bit 32

Datatype: "Max11NumericText" on page 1535

44.1.22.1.4 SenderIdentification <SndrId>

Presence: [0..1]

Definition: Code identifying the sender of the original message.

ISO 8583 bit 33.

Datatype: "Max11NumericText" on page 1535

44.1.22.1.5 LocalDateTime <LclDtTm>

Presence: [0..1]

Definition: Local date and time the transaction takes place at the acceptor location.

ISO 8583 bit 12.

Datatype: "ISODateTime" on page 1530

44.1.22.1.6 TimeZone <TmZone>

Presence: [0..1]

Definition: Time zone name (for example, as defined by IANA - Internet Assigned Numbers Authority) in the time zone data base.

Datatype: "Max70Text" on page 1541

44.1.22.1.7 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.1.8 TransmissionDateTime <TrnsmsnDtTm>

Presence: [0..1]

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

ISO 8583 bit 7

Datatype: "ISODateTime" on page 1530

44.1.22.1.9 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [0..1]

Definition: Transaction reference of the original message.

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.1.10 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [1..1]

Definition: 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 1532

44.1.22.1.11 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1494

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.22.1.12 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.1.13 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1541

44.1.22.1.14 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 1536

44.1.22.1.15 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.1.16 CardIssuerReferenceData <CardlssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.22.2 TransactionLifeCycleIdentification1

Definition: Unique global identification structure used to match transactions throughout their lifecycle (for example, authorisation to financial, financial to chargebacks, etc.).

It shall contain the same value in all messages throughout a transaction's lifecycle.

ISO 8583:2003 bit 21

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.2.1 Identification <Id>

Presence: [1..1]

Definition: Unique transaction identifier.

ISO 8583:2003 bit 21-2

Datatype: "Exact15Text" on page 1532

44.1.22.2.2 AuthorisationSequenceNumber <AuthstnSeqNb>

Presence: [0..1]

Definition: Contains authorisation sequence number.

Datatype: "Exact2NumericText" on page 1533

44.1.22.2.3 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.

ISO 8583:2003 bit 21-3

Datatype: "Exact2NumericText" on page 1533

44.1.22.2.4 PresentmentSequenceCount <PresntmntSeqCnt>

Presence: [0..1]

Definition: Expected maximum number of presentments for this transaction.

Datatype: "Exact2NumericText" on page 1533

44.1.22.2.5 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.

ISO 8583:2003 bit 21-4

Datatype: "Max35Text" on page 1539

44.1.22.3 TransactionIdentification8

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LcIDtTm>	[1..1]	DateTime		1293
	TimeZone <TmZone>	[0..1]	Text		1293
	TransactionReference <TxRef>	[0..1]	Text		1293
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1293
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1294
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1294
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1294
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1294
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1295
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1295
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1295
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1295
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1295

44.1.22.3.1 LocalDateTime <LcIDtTm>

Presence: [1..1]

Definition: Local date and time the transaction takes place at the card acceptor location.

ISO 8583:87 bit 12 and 13, ISO 8583:93/2003 bit 12

Datatype: "ISODatetime" on page 1530

44.1.22.3.2 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 1541

44.1.22.3.3 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.3.4 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

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

ISO 8583 bit 7

Datatype: "ISODateTime" on page 1530

44.1.22.3.5 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).

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.3.6 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [1..1]

Definition: 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 1532

44.1.22.3.7 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1494

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.22.3.8 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.3.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1541

44.1.22.3.10 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.

ISO 8583:93 bit 31

Datatype: "Max140Text" on page 1536

44.1.22.3.11 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.3.12 CardIssuerReferenceData <CardIssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.22.3.13 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 "OriginalDataElements1" on page 1287 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		1288
	TransactionType <TxTp>	[0..1]	Text		1288
	AcquirerIdentification <Acqrrld>	[0..1]	Text		1289
	SenderIdentification <Sndrld>	[0..1]	Text		1289
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1289
	TimeZone <TmZone>	[0..1]	Text		1289
	TransactionReference <TxRef>	[0..1]	Text		1289
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1289
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		1290
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1290
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1290
	LifeCycleTraceIdentificationData <LifeCyclTracldData>	[0..1]	±		1290
	LifeCycleTraceIdentificationMissing <LifeCyclTracldMssng>	[0..1]	Text		1290
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1291
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1291
	CardIssuerReferenceData <CardlssrRefData>	[0..1]	Text		1291

44.1.22.4 TransactionIdentification14

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionReference <TxRef>	[0..1]	Text		1297
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1297
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1297
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1297
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1298
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1298
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1298
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1298
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1298

44.1.22.4.1 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.4.2 TransmissionDateTime <TrnsmssnDtTm>

Presence: [1..1]

Definition: Local date and time the transaction takes place at the card acceptor location.

ISO 8583:87 bit 12 and 13, ISO 8583:93/2003 bit 12

Datatype: "ISODatetime" on page 1530

44.1.22.4.3 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).

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.4.4 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.

ISO 8583 bit 37

Datatype: "Exact12Text" on page 1532

44.1.22.4.5 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.4.6 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.

ISO 8583:93 bit 31

Datatype: "Max140Text" on page 1536

44.1.22.4.7 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.4.8 CardIssuerReferenceData <CardIssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.22.4.9 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 "OriginalDataElements1" on page 1287 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		1288
	TransactionType <TxTp>	[0..1]	Text		1288
	AcquirerIdentification <Acqrrld>	[0..1]	Text		1289
	SenderIdentification <Sndrld>	[0..1]	Text		1289
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1289
	TimeZone <TmZone>	[0..1]	Text		1289
	TransactionReference <TxRef>	[0..1]	Text		1289
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1289
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		1290
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1290
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1290
	LifeCycleTraceIdentificationData <LifeCyclTracldData>	[0..1]	±		1290
	LifeCycleTraceIdentificationMissing <LifeCyclTracldMssng>	[0..1]	Text		1290
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1291
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1291
	CardIssuerReferenceData <CardlssrRefData>	[0..1]	Text		1291

44.1.22.5 TransactionIdentification13

Definition: Identification of the transaction

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LcIDtTm>	[0..1]	DateTime		1300
	TimeZone <TmZone>	[0..1]	Text		1300
	TransactionReference <TxRef>	[0..1]	Text		1300
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1300
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1301
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1301
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1301
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1301
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1302
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1302
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1302
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1302
	OriginalDataElements <OrgnlDataElmts>	[0..1]	±		1302

44.1.22.5.1 LocalDateTime <LcIDtTm>

Presence: [0..1]

Definition: Local date and time the transaction takes place at the card acceptor location.

ISO 8583:87 bit 12 and 13, ISO 8583:93/2003 bit 12

Datatype: "ISODatetime" on page 1530

44.1.22.5.2 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 1541

44.1.22.5.3 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.5.4 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

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

ISO 8583 bit 7

Datatype: "ISODateTime" on page 1530

44.1.22.5.5 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)

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.5.6 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [1..1]

Definition: 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 1532

44.1.22.5.7 LifeCycleSupport <LifeCyclSpprt>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "LifeCycleSupport1Code" on page 1494

CodeName	Name	Definition
AUTH	Authorisation	Assigned at authorisation time.
FINC	Financial	Assigned at financial time.

44.1.22.5.8 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.5.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information

Datatype: "Max70Text" on page 1541

44.1.22.5.10 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.

ISO 8583:93 bit 31

Datatype: "Max140Text" on page 1536

44.1.22.5.11 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.5.12 CardIssuerReferenceData <CardIssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.22.5.13 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 "OriginalDataElements1" on page 1287 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageClass <MsgClss>	[0..1]	CodeSet		1288
	TransactionType <TxTp>	[0..1]	Text		1288
	AcquirerIdentification <Acqrrld>	[0..1]	Text		1289
	SenderIdentification <Sndrld>	[0..1]	Text		1289
	LocalDateTime <LclDtTm>	[0..1]	DateTime		1289
	TimeZone <TmZone>	[0..1]	Text		1289
	TransactionReference <TxRef>	[0..1]	Text		1289
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1289
	SystemTraceAuditNumber <SysTracAudtNb>	[0..1]	Text		1290
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1290
	LifeCycleSupport <LifeCyclSpprt>	[0..1]	CodeSet		1290
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1290
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1290
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1291
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1291
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1291

44.1.22.6 TransactionIdentification12

Definition: Identification of the transaction for network management.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1303
	TransmissionDateTime <TrnsmssnDtTm>	[1..1]	DateTime		1304
	RetrievalReferenceNumber <RtrvlRefNb>	[0..1]	Text		1304
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]			1304
	Identification </d>	[1..1]	Text		1304

44.1.22.6.1 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)

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.6.2 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 1530

44.1.22.6.3 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 1532

44.1.22.6.4 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following **TransactionLifeCycleIdentification2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1304

44.1.22.6.4.1 Identification <Id>

Presence: [1..1]

Definition: Unique transaction identifier.

ISO 8583:2003 bit 21-2

Datatype: "Exact15Text" on page 1532

44.1.22.7 TransactionIdentification11

Definition: Identification of the transaction for network management.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LcIDtTm>	[0..1]	DateTime		1305
	TimeZone <TmZone>	[0..1]	Text		1305
	TransactionReference <TxRef>	[0..1]	Text		1305
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1305
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1306
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1306
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1306
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1306
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1306
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1307
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1307
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1307

44.1.22.7.1 LocalDateTime <LcIDtTm>

Presence: [0..1]

Definition: Local date and time the transaction takes place at the card acceptor location.

ISO 8583:87 bit 12 and 13, ISO 8583:93/2003 bit 12

Datatype: "ISODateTime" on page 1530

44.1.22.7.2 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 1541

44.1.22.7.3 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.7.4 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

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

ISO 8583 bit 7

Datatype: "ISODateTime" on page 1530

44.1.22.7.5 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).

ISO 8583 bit 11.

Datatype: "Max12NumericText" on page 1535

44.1.22.7.6 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [1..1]

Definition: 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 1532

44.1.22.7.7 LifeCycleSupportIndicator <LifeCyclSpprtInd>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "Exact2NumericText" on page 1533

44.1.22.7.8 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.7.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1541

44.1.22.7.10 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.

ISO 8583:93 bit 31

Datatype: "Max99Text" on page 1542

44.1.22.7.11 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.7.12 CardIssuerReferenceData <CardIssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.22.8 TransactionIdentification10

Definition: Identification of the transaction for network management.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	LocalDateTime <LcIDtTm>	[1..1]	DateTime		1308
	TimeZone <TmZone>	[0..1]	Text		1308
	TransactionReference <TxRef>	[0..1]	Text		1308
	TransmissionDateTime <TrnsmssnDtTm>	[0..1]	DateTime		1308
	SystemTraceAuditNumber <SysTracAudtNb>	[1..1]	Text		1309
	RetrievalReferenceNumber <RtrvlRefNb>	[1..1]	Text		1309
	LifeCycleSupportIndicator <LifeCyclSpprtInd>	[0..1]	Text		1309
	LifeCycleTraceIdentificationData <LifeCyclTracIdData>	[0..1]	±		1309
	LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>	[0..1]	Text		1309
	AcquirerReferenceData <AcqrrRefData>	[0..1]	Text		1310
	AcquirerReferenceNumber <AcqrrRefNb>	[0..1]	Text		1310
	CardIssuerReferenceData <CardIssrRefData>	[0..1]	Text		1310

44.1.22.8.1 LocalDateTime <LcIDtTm>

Presence: [1..1]

Definition: Local date and time the transaction takes place at the card acceptor location.

ISO 8583:87 bit 12 and 13, ISO 8583:93/2003 bit 12

Datatype: "ISODateTime" on page 1530

44.1.22.8.2 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 1541

44.1.22.8.3 TransactionReference <TxRef>

Presence: [0..1]

Definition: Identification of the transaction by the card acceptor. It may appear on the receipt of the cardholder. It remains unchanged throughout the lifetime of the transaction.

Datatype: "Max35Text" on page 1539

44.1.22.8.4 TransmissionDateTime <TrnsmssnDtTm>

Presence: [0..1]

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

ISO 8583 bit 7

Datatype: "ISODateTime" on page 1530

44.1.22.8.5 SystemTraceAuditNumber <SysTracAudtNb>

Presence: [1..1]

Definition: A 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 1535

44.1.22.8.6 RetrievalReferenceNumber <RtrvlRefNb>

Presence: [1..1]

Definition: 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 1532

44.1.22.8.7 LifeCycleSupportIndicator <LifeCyclSpprtInd>

Presence: [0..1]

Definition: Indicate the point in the transaction lifecycle at which the lifecycle identifier was assigned.

Datatype: "Exact2NumericText" on page 1533

44.1.22.8.8 LifeCycleTraceIdentificationData <LifeCyclTracIdData>

Presence: [0..1]

Definition: Unique global identification structure used to match transactions throughout their lifecycle.

ISO 8583:2003 bit 21

LifeCycleTraceIdentificationData <LifeCyclTracIdData> contains the following elements (see "TransactionLifeCycleIdentification1" on page 1291 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1291
	AuthorisationSequenceNumber <AuthstnSeqNb>	[0..1]	Text		1292
	PresentmentSequenceNumber <PresntmntSeqNb>	[0..1]	Text		1292
	PresentmentSequenceCount <PresntmntSeqCnt>	[0..1]	Text		1292
	AuthenticationToken <AuthntcnTkn>	[0..1]	Text		1292

44.1.22.8.9 LifeCycleTraceIdentificationMissing <LifeCyclTracIdMssng>

Presence: [0..1]

Definition: Reason for not providing a lifecycle trace identification information.

Datatype: "Max70Text" on page 1541

44.1.22.8.10 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.

ISO 8583:93 bit 31

Datatype: "Max99Text" on page 1542

44.1.22.8.11 AcquirerReferenceNumber <AcqrrRefNb>

Presence: [0..1]

Definition: Data supplied by an acquirer to assist in identifying a transaction (for example, for researching retrievals and chargebacks).

ISO 8583:2003 bit 31

Datatype: "Max23NumericText" on page 1538

44.1.22.8.12 CardIssuerReferenceData <CardIssrRefData>

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.

ISO 8583:1993 and ISO 8583:2003 bit 95.

Datatype: "Max1000Text" on page 1534

44.1.23 Remittance

44.1.23.1 ClaimInformation1

Definition: Information provided to claim funds

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClaimCredentials <CImCrdrntls>	[0..1]	Text		1310
	Assigner <Assgnr>	[0..1]	Text		1310

44.1.23.1.1 ClaimCredentials <CImCrdrntls>

Presence: [0..1]

Definition: Code presented by the customer to claim funds.

Datatype: "Max500Text" on page 1540

44.1.23.1.2 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity issuing the claim credential.

Datatype: "Max35Text" on page 1539

44.1.23.2 TransferService1

Definition: Funds transfer service

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceProvider <SvcPrvdr>	[0..1]	Text		1311
	ServiceName <SvcNm>	[0..1]	Text		1311
	Reference <Ref>	[0..1]	Text		1311
	BusinessPurpose <BizPurp>	[0..1]	Text		1311
	Description <Desc>	[0..1]	Text		1311

44.1.23.2.1 ServiceProvider <SvcPrvdr>

Presence: [0..1]

Definition: Identification of the funding service provider.

Datatype: "Max35Text" on page 1539

44.1.23.2.2 ServiceName <SvcNm>

Presence: [0..1]

Definition: Name of the funding service (for example, MoneyGram, Western Union, etc.).

Datatype: "Max35Text" on page 1539

44.1.23.2.3 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding service.

Datatype: "Max35Text" on page 1539

44.1.23.2.4 BusinessPurpose <BizPurp>

Presence: [0..1]

Definition: Purpose of the transfer. For example: person to person, business-to-business and mobile top-up.

Datatype: "Max35Text" on page 1539

44.1.23.2.5 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 1538

44.1.23.3 FundingSource2

Definition: Source of funding

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SourceType <SrcTp>	[0..1]	CodeSet		1312
	OtherSourceType <OthrSrcTp>	[0..1]	Text		1312
	Reference <Ref>	[0..1]	Text		1312

44.1.23.3.1 SourceType <SrcTp>

Presence: [0..1]

Definition: Type of source funding used to perform the transfer of funds.

Datatype: "FundingSourceType2Code" on page 1489

CodeName	Name	Definition
LOYL	Loyalty	Loyalty points converted into cash
OTHN	OtherNational	Other type of account defined at national level.
OTHP	OtherPrivate	Other type of account defined at private level.
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.

44.1.23.3.2 OtherSourceType <OthrSrcTp>

Presence: [0..1]

Definition: Any other type of funding source used to perform the transfer of funds.

Datatype: "Max35Text" on page 1539

44.1.23.3.3 Reference <Ref>

Presence: [0..1]

Definition: Reference to the funding source.

Datatype: "Max35Text" on page 1539

44.1.23.4 FundingService1

Definition: Funds related service such as a payment or a transfer related to the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FundingService <FndgSvc>	[0..1]	±		1313
	FundingSource <FndgSrc>	[0..1]	±		1313
	ClaimInformation <ClmInf>	[0..1]	±		1313

44.1.23.4.1 FundingService <FndgSvc>

Presence: [0..1]

Definition: Funding service details.

FundingService <FndgSvc> contains the following elements (see ["TransferService1"](#) on page 1311 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceProvider <SvcPrvdr>	[0..1]	Text		1311
	ServiceName <SvcNm>	[0..1]	Text		1311
	Reference <Ref>	[0..1]	Text		1311
	BusinessPurpose <BizPurp>	[0..1]	Text		1311
	Description <Desc>	[0..1]	Text		1311

44.1.23.4.2 FundingSource <FndgSrc>

Presence: [0..1]

Definition: Source of funding.

FundingSource <FndgSrc> contains the following elements (see ["FundingSource2"](#) on page 1311 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SourceType <SrcTp>	[0..1]	CodeSet		1312
	OtherSourceType <OthrSrcTp>	[0..1]	Text		1312
	Reference <Ref>	[0..1]	Text		1312

44.1.23.4.3 ClaimInformation <ClmInf>

Presence: [0..1]

Definition: Information for claiming funds.

ClaimInformation <ClmInf> contains the following elements (see "ClaimInformation1" on page 1310 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ClaimCredentials <ClmCrntls>	[0..1]	Text		1310
	Assigner <Assgnr>	[0..1]	Text		1310

44.1.24 Risk

44.1.24.1 RiskAssessment1

Definition: Indicates to the card issuer the level of risk associated with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskAssessmentEntity <RskAssmntNtty>	[0..1]			1314
	Identification <Id>	[0..1]	Text		1315
	Type <Tp>	[0..1]	CodeSet		1315
	OtherType <OthrTp>	[0..1]	Text		1315
	Assigner <Assgnr>	[0..1]	CodeSet		1315
	Country <Ctry>	[0..1]	CodeSet		1316
	ShortName <ShrtNm>	[0..1]	Text		1316
	RiskAssessmentType <RskAssmntTp>	[0..1]	Text		1316
	Reason <Rsn>	[0..*]	Text		1316
	Result <Rslt>	[0..1]	Text		1316
	AdditionalRiskData <AddtlRskData>	[0..*]			1316
	Type <Tp>	[1..1]	Text		1317
	Value <Val>	[1..1]	Text		1317
	RecommendedAction <RcmmnddActn>	[0..*]	CodeSet		1317
	OtherRecommendedAction <OthrRcmmnddActn>	[0..1]	Text		1317
	RecommendedActionDetails <RcmmnddActnDtls>	[0..1]	Text		1318

44.1.24.1.1 RiskAssessmentEntity <RskAssmntNtty>

Presence: [0..1]

Definition: Entity providing an intermediate result of a risk assessment process.

RiskAssessmentEntity <RskAssmntNtty> contains the following **PartyIdentification200** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1315
	Type <Tp>	[0..1]	CodeSet		1315
	OtherType <OthrTp>	[0..1]	Text		1315
	Assigner <Assgnr>	[0..1]	CodeSet		1315
	Country <Ctry>	[0..1]	CodeSet		1316
	ShortName <ShrtNm>	[0..1]	Text		1316

44.1.24.1.1.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the party.

Datatype: "Max35Text" on page 1539

44.1.24.1.1.2 Type <Tp>

Presence: [0..1]

Definition: Type of entity.

Datatype: "PartyType28Code" on page 1508

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
WLPR	WalletProvider	Provider of an electronic wallet
ISUR	Issuer	Issuer is the entitled party.

44.1.24.1.1.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other party type defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.24.1.1.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning an identification to a party.

Datatype: "PartyType18Code" on page 1505

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.1.24.1.1.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the party.

Datatype: "ISO3NumericCountryCode" on page 1492

44.1.24.1.1.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the party.

Datatype: "Max35Text" on page 1539

44.1.24.1.2 RiskAssessmentType <RskAssmntTp>

Presence: [0..1]

Definition: Type of risk assessment.

Datatype: "Max35Text" on page 1539

44.1.24.1.3 Reason <Rsn>

Presence: [0..*]

Definition: Reason for indicating a certain level of risk for the transaction.

Datatype: "Max35Text" on page 1539

44.1.24.1.4 Result <Rslt>

Presence: [0..1]

Definition: Risk assessment result.

Datatype: "Max35Text" on page 1539

44.1.24.1.5 AdditionalRiskData <AddtlRskData>

Presence: [0..*]

Definition: Additional risk data associated with the transaction.

AdditionalRiskData <AddtlRskData> contains the following **AdditionalRiskData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1317
	Value <Val>	[1..1]	Text		1317

44.1.24.1.5.1 Type <Tp>

Presence: [1..1]

Definition: Identification of the additional risk data type related to the transaction.

Datatype: "Max35Text" on page 1539

44.1.24.1.5.2 Value <Val>

Presence: [1..1]

Definition: Data value of the additional risk data associated with the transaction.

Datatype: "Max10KText" on page 1535

44.1.24.1.6 RecommendedAction <RcmmnddActn>

Presence: [0..*]

Definition: Recommended action based on risk assessment.

Datatype: "ActionType8Code" on page 1455

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.
OTHN	OtherNational	Other action defined at national level.
OTHP	OtherPrivate	Other action defined at private level
STUA	StepUpAuthentication	Further authentication required (e.g. one-time password)

44.1.24.1.7 OtherRecommendedAction <OthrRcmmnddActn>

Presence: [0..1]

Definition: Other recommended action based on risk assessment defined at national or private level.

Datatype: "Max35Text" on page 1539

44.1.24.1.8 RecommendedActionDetails <RcmmnddActnDtls>

Presence: [0..1]

Definition: Additional details of recommended action or other recommended action.

Datatype: "Max256Text" on page 1538

44.1.24.2 RiskInputData1

Definition: Additional data to be considered for risk assessment.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Entity <Ntty>	[0..1]			1318
	Type <Tp>	[0..1]	CodeSet		1318
	OtherType <OthrTp>	[0..1]	Text		1319
	Type <Tp>	[1..1]	Text		1319
	Value <Val>	[1..1]	Text		1319

44.1.24.2.1 Entity <Ntty>

Presence: [0..1]

Definition: Entity providing the information required for a risk assessment.

Entity <Ntty> contains the following **RiskAssessmentDataEntityProvider1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1318
	OtherType <OthrTp>	[0..1]	Text		1319

44.1.24.2.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of entity providing data for risk assessment.

Datatype: "PartyType28Code" on page 1508

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
ACQR	Acquirer	Entity acquiring card transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

CodeName	Name	Definition
WLPR	WalletProvider	Provider of an electronic wallet
ISUR	Issuer	Issuer is the entitled party.

44.1.24.2.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of entity providing risk assessment data.

Datatype: "Max35Text" on page 1539

44.1.24.2.2 Type <Tp>

Presence: [1..1]

Definition: Identifies the type of risk assessment associated with the input data in the message.

Datatype: "Max35Text" on page 1539

44.1.24.2.3 Value <Val>

Presence: [1..1]

Definition: Value of input data for risk assessment.

Datatype: "Max10KText" on page 1535

44.1.24.3 RiskContext1

Definition: Context of the risk associated with the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskInputData <RskInptData>	[0..*]	±		1319
	RiskAssessment <RskAssmnt>	[0..*]	±		1320

44.1.24.3.1 RiskInputData <RskInptData>

Presence: [0..*]

Definition: Input data to be considered in a risk assessment.

RiskInputData <RskInptData> contains the following elements (see "RiskInputData1" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Entity <Ntty>	[0..1]			1318
	Type <Tp>	[0..1]	CodeSet		1318
	OtherType <OthrTp>	[0..1]	Text		1319
	Type <Tp>	[1..1]	Text		1319
	Value <Val>	[1..1]	Text		1319

44.1.24.3.2 RiskAssessment <RskAssmnt>

Presence: [0..*]

Definition: Indicates to the card issuer the level of risk associated with the transaction.

RiskAssessment <RskAssmnt> contains the following elements (see "RiskAssessment1" on page 1314 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RiskAssessmentEntity <RskAssmntNtty>	[0..1]			1314
	Identification <Id>	[0..1]	Text		1315
	Type <Tp>	[0..1]	CodeSet		1315
	OtherType <OthrTp>	[0..1]	Text		1315
	Assigner <Assgnr>	[0..1]	CodeSet		1315
	Country <Ctry>	[0..1]	CodeSet		1316
	ShortName <ShrtNm>	[0..1]	Text		1316
	RiskAssessmentType <RskAssmntTp>	[0..1]	Text		1316
	Reason <Rsn>	[0..*]	Text		1316
	Result <Rslt>	[0..1]	Text		1316
	AdditionalRiskData <AddtlRskData>	[0..*]			1316
	Type <Tp>	[1..1]	Text		1317
	Value <Val>	[1..1]	Text		1317
	RecommendedAction <RcmmnddActn>	[0..*]	CodeSet		1317
	OtherRecommendedAction <OthrRcmmnddActn>	[0..1]	Text		1317
	RecommendedActionDetails <RcmmnddActnDtls>	[0..1]	Text		1318

44.1.25 Secure Element

44.1.25.1 CryptographicKey13

Definition: Cryptographic Key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1321
	AdditionalIdentification <AddtlId>	[0..1]	Binary		1321
	Version <Vrsn>	[1..1]	Text		1321
	Type <Tp>	[0..1]	CodeSet		1321
	Function <Fctn>	[0..*]	CodeSet		1322
	ActivationDate <ActvtnDt>	[0..1]	DateTime		1323
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		1323
	KeyValue <KeyVal>	[0..1]	±		1323
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		1323
	AdditionalManagementInformation <AddtlMgmtInf>	[0..*]			1323
	Name <Nm>	[1..1]	Text		1324
	Value <Val>	[0..1]	Text		1324

44.1.25.1.1 Identification <Id>

Presence: [1..1]

Definition: Name of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.25.1.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification of the key.

Usage

For derived unique key per transaction (DUKPT) keys, the key serial number (KSN) with the 21 bits of the transaction counter set to zero.

Datatype: "Max35Binary" on page 1452

44.1.25.1.3 Version <Vrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 1538

44.1.25.1.4 Type <Tp>

Presence: [0..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType3Code" on page 1482

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

44.1.25.1.5 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1493

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.
DENC	DataEncryption	Key may encrypt data.
DDEC	DataDecryption	Key may decrypt data.
TRNI	TranslateInput	Key may encrypt information before translation.
TRNX	TranslateOutput	Key may encrypt information after translation.
MACG	MessageAuthenticationCodeGeneration	Key may generate message authentication codes (MAC).
MACV	MessageAuthenticationCodeVerification	Key may verify message authentication codes (MAC).
SIGG	SignatureGeneration	Key may generate digital signatures.
SUGV	SignatureVerification	Key may verify digital signatures.
PINE	PINEncryption	Key may encrypt personal identification numbers (PIN).

CodeName	Name	Definition
PIND	PINDecryption	Key may decrypt personal identification numbers (PIN).
PINV	PINVerification	Key may verify personal identification numbers (PIN).
KEYG	KeyGeneration	Key may generate keys.
KEYI	KeyImport	Key may import keys.
KEYX	KeyExport	Key may export keys.
KEYD	KeyDerivation	Key may derive keys.

44.1.25.1.6 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODatetime" on page 1530

44.1.25.1.7 DeactivationDate <DeactvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODatetime" on page 1530

44.1.25.1.8 KeyVal <KeyVal>

Presence: [0..1]

Definition: Encrypted cryptographic key.

KeyVal <KeyVal> contains the following elements (see "ContentInformationType19" on page 1361 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1361
	EnvelopedData <EnvlpdData>	[0..1]	±		1362
	AuthenticatedData <AuthntcdData>	[0..1]	±		1362
	SignedData <SgndData>	[0..1]	±		1363
	DigestedData <DgstdData>	[0..1]	±		1363

44.1.25.1.9 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key security parameter.

Datatype: "Max35Binary" on page 1452

44.1.25.1.10 AdditionalManagementInformation <AddtlMgmtInf>

Presence: [0..*]

Definition: Additional Information needed by the receiver to securely process the management of the security element.

AdditionalManagementInformation <AddtlMgmtInf> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1324
	Value <Val>	[0..1]	Text		1324

44.1.25.1.10.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1541

44.1.25.1.10.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1536

44.1.25.2 Recipient6Choice

Definition: Transport key or key encryption key (KEK) for the recipient.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1325
	Version <Vrsn>	[0..1]	Quantity		1326
	RecipientIdentification <RcptId>	[1..1]			1326
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1326
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrlNb>	[1..1]	Binary		1328
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1328
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1328
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1329
Or	KEK <KEK>	[1..1]			1329
	Version <Vrsn>	[0..1]	Quantity		1329
	KEKIdentification <KEKId>	[1..1]	±		1329
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1330
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1330
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1330

44.1.25.2.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1326
	RecipientIdentification <Rcptld>	[1..1]			1326
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1326
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrlNb>	[1..1]	Binary		1328
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1328
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1328
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1329

44.1.25.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.25.2.1.2 RecipientIdentification <Rcptld>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <Rcptld> contains one of the following **Recipient5Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1326
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrlNb>	[1..1]	Binary		1328
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1328

44.1.25.2.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrInb> contains the following **IssuerAndSerialNumber1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrInb>	[1..1]	Binary		1328

44.1.25.2.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328

44.1.25.2.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328

44.1.25.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1471

CodeName	Name	Definition
CNAT	CommonName	Common name of the attribute (ASN.1 Object Identifier: id-at-commonName).
LATT	Locality	Locality of the attribute (ASN.1 Object Identifier: id-at-localityName).

CodeName	Name	Definition
OATT	OrganisationName	Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName).
OUAT	OrganisationUnitName	Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName).
CATT	CountryName	Country name of the attribute (ASN.1 Object Identifier: id-at-countryName).

44.1.25.2.1.2.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1536

44.1.25.2.1.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1452

44.1.25.2.1.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <Keyldr> contains the following elements (see "KEKIdentifier2" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <Keyld>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.25.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification19" on page 1345 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1346
	Parameter <Param>	[0..1]			1346
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1346
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1347
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1347

44.1.25.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1453

44.1.25.2.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1329
	KEKIdentification <KEKId>	[1..1]	±		1329
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1330
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1330

44.1.25.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.25.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "KEKIdentifier2" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.25.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following elements (see "AlgorithmIdentification23" on page 1334 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1334
	Parameter <Param>	[0..1]			1336
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1336
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1336
	BytePadding <BPddg>	[0..1]	CodeSet		1337

44.1.25.2.2.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max500Binary" on page 1453

44.1.25.2.3 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "KEKIdentifier2" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.25.3 AlgorithmIdentification24

Definition: Cryptographic algorithm and parameters for encryptions with a symmetric cryptographic key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1331
	Parameter <Param>	[0..1]			1333
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1333
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1333
	BytePadding <BPddg>	[0..1]	CodeSet		1333

44.1.25.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the encryption algorithm.

Datatype: "Algorithm18Code" on page 1466

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.

CodeName	Name	Definition
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).

44.1.25.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated with the CBC (Chain Block Chaining) encryption algorithm.

Parameter <Param> contains the following **Parameter12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1333
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1333
	BytePadding <BPddg>	[0..1]	CodeSet		1333

44.1.25.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1485

CodeName	Name	Definition
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
I238	ISO20038KeyWrap	Format of a cryptographic key specified by the ISO20038 standard.

44.1.25.3.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1453

44.1.25.3.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 1475

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.

CodeName	Name	Definition
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.1.25.4 AlgorithmIdentification23

Definition: Cryptographic algorithm and parameters for the protection of the transported key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1334
	Parameter <Param>	[0..1]			1336
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1336
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1336
	BytePadding <BPddg>	[0..1]	CodeSet		1337

44.1.25.4.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm18Code" on page 1466

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).

CodeName	Name	Definition
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).

44.1.25.4.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1336
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1336
	BytePadding <BPddg>	[0..1]	CodeSet		1337

44.1.25.4.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1485

CodeName	Name	Definition
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
I238	ISO20038KeyWrap	Format of a cryptographic key specified by the ISO20038 standard.

44.1.25.4.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1453

44.1.25.4.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 1475

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.1.25.5 AlgorithmIdentification22

Definition: Identification of a cryptographic algorithm and parameters for the MAC computation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1337
	Parameter <Param>	[0..1]			1340
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1340
	BytePadding <BPddg>	[0..1]	CodeSet		1340

44.1.25.5.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm17Code" on page 1463

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the

CodeName	Name	Definition
		National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
CM31	SHA3-256CMACWithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
		The CMAC algorithm is computed on the SHA3-256 digest of the message.
CM32	SHA3-384CMACWithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message.
CM33	SHA3-512CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message.
MCS3	SHA3-256-3DESMAC	3DES CBC-MAC with SHA3-256 (SecureHash standard) and ISO/IEC9797-1 method 2 padding.
CCA1	CMACAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA2	CMACAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA3	CMACAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

44.1.25.5.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the MAC algorithm.

Parameter <Param> contains the following **Parameter7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1340
	BytePadding <BPddg>	[0..1]	CodeSet		1340

44.1.25.5.2.1 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1453

44.1.25.5.2.2 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 1475

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.1.25.6 AlgorithmIdentification21

Definition: Cryptographic algorithm and parameters of digests.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1340

44.1.25.6.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1463

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

44.1.25.7 AlgorithmIdentification20

Definition: Identification of a cryptographic algorithm and parameters for digital signatures.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1342
	Parameter <Param>	[0..1]			1343
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1343
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1344
	Algorithm <Algo>	[1..1]	CodeSet		1344
	Parameter <Param>	[0..1]			1345
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1345
	SaltLength <SaltLngh>	[1..1]	Quantity		1345
	TrailerField <TrlrFld>	[0..1]	Quantity		1345

44.1.25.7.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm19Code" on page 1468

CodeName	Name	Definition
ERS2	SHA256WithRSA	Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption).
ERS1	SHA1WithRSA	The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption).
RPSS	RSASSA-PSS	Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS).
ECC5	EllipticCryptographicCurveFifthAlgorithm	Fifth Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC1	EllipticCryptographicCurveFirstAlgorithm	First Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC4	EllipticCryptographicCurveFourthAlgorithm	Fourth Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC2	EllipticCryptographicCurveSecondAlgorithm	Second Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC3	EllipticCryptographicCurveThirdAlgorithm	Third Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).

CodeName	Name	Definition
ECP2	SignatureWithEllipticCurveP-256	Elliptic Curve Signature with the Curve P-256 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).
ECP3	SignatureWithEllipticCurveP-384	Elliptic Curve Signature with the Curve P-384 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).
ECP5	SignatureWithEllipticCurveP-512	Elliptic Curve Signature with the Curve P-512 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).

44.1.25.7.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the RSASSA-PSS digital signature algorithm (RSA signature algorithm with appendix: Probabilistic Signature Scheme).

Parameter <Param> contains the following **Parameter11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1343
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1344
	Algorithm <Algo>	[1..1]	CodeSet		1344
	Parameter <Param>	[0..1]			1345
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1345
	SaltLength <SaltLngth>	[1..1]	Quantity		1345
	TrailerField <TrlrFld>	[0..1]	Quantity		1345

44.1.25.7.2.1 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1463

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).

CodeName	Name	Definition
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

44.1.25.7.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following **AlgorithmIdentification12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1344
	Parameter <Param>	[0..1]			1345
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1345

44.1.25.7.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1471

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA igital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

44.1.25.7.2.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1345

44.1.25.7.2.2.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 1461

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).

44.1.25.7.2.3 SaltLength <SaltLngth>

Presence: [1..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 1532

44.1.25.7.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 1532

44.1.25.8 AlgorithmIdentification19

Definition: Cryptographic algorithms and parameters for the protection of transported keys by an asymmetric key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1346
	Parameter <Param>	[0..1]			1346
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1346
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1347
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1347

44.1.25.8.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1470

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

44.1.25.8.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the encryption algorithm.

Parameter <Param> contains the following **Parameter10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1346
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1347
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]	±		1347

44.1.25.8.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat2Code" on page 1485

CodeName	Name	Definition
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
I238	ISO20038KeyWrap	Format of a cryptographic key specified by the ISO20038 standard.

44.1.25.8.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm16Code" on page 1463

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

44.1.25.8.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following elements (see "AlgorithmIdentification18" on page 1348 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1348
	Parameter <Param>	[0..1]			1348
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1348

44.1.25.9 AlgorithmIdentification18

Definition: Mask generator function cryptographic algorithm and parameters.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1348
	Parameter <Param>	[0..1]			1348
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1348

44.1.25.9.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1471

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

44.1.25.9.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1348

44.1.25.9.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm16Code" on page 1463

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS

CodeName	Name	Definition
		180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

44.1.25.10 AuthenticatedData5

Definition: Message authentication code (MAC), computed on the data to protect with an encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1349
	Recipient <Rcpt>	[1..*]	±		1349
	MACAlgorithm <MACAlgo>	[1..1]	±		1350
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1351
	MAC <MAC>	[1..1]	Binary		1351

44.1.25.10.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.25.10.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or protection key identification used by the recipient.

Recipient <Rcpt> contains one of the following elements (see "Recipient6Choice" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1325
	Version <Vrsn>	[0..1]	Quantity		1326
	RecipientIdentification <RcptId>	[1..1]			1326
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1326
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrlNb>	[1..1]	Binary		1328
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1328
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1328
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1329
Or	KEK <KEK>	[1..1]			1329
	Version <Vrsn>	[0..1]	Quantity		1329
	KEKIdentification <KEKId>	[1..1]	±		1329
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1330
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1330
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1330

44.1.25.10.3 MACAlgorithm <MACAlgo>

Presence: [1..1]

Definition: Algorithm to compute message authentication code (MAC).

MACAlgorithm <MACAlgo> contains the following elements (see "AlgorithmIdentification22" on page 1337 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1337
	Parameter <Param>	[0..1]			1340
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1340
	BytePadding <BPddg>	[0..1]	CodeSet		1340

44.1.25.10.4 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data to authenticate.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 1207 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1207
	Content <Cntt>	[0..1]	Binary		1208

44.1.25.10.5 MAC <MAC>

Presence: [1..1]

Definition: Message authentication code value.

Datatype: "[Max140Binary](#)" on page 1452

44.1.25.11 EnvelopedData5

Definition: Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1351
	OriginatorInformation <OrgtrlInf>	[0..1]			1351
	Certificate <Cert>	[0..*]	Binary		1352
	Recipient <Rcpt>	[1..*]	±		1352
	EncryptedContent <NcrptdCntt>	[0..1]			1353
	ContentType <CnttTp>	[1..1]	CodeSet		1353
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1353
	EncryptedData <NcrptdData>	[1..1]	Binary		1354

44.1.25.11.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "[Number](#)" on page 1532

44.1.25.11.2 OriginatorInformation <OrgtrlInf>

Presence: [0..1]

Definition: Provides certificates of the originator.

OriginatorInformation <OrgtrInf> contains the following **OriginatorInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Certificate <Cert>	[0..*]	Binary		1352

44.1.25.11.2.1 Certificate <Cert>

Presence: [0..*]

Definition: It may contain originator certificates associated with several different key management algorithms.

Datatype: "Max5000Binary" on page 1453

44.1.25.11.3 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following elements (see "Recipient6Choice" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1325
	Version <Vrsn>	[0..1]	Quantity		1326
	RecipientIdentification <RcptId>	[1..1]			1326
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1326
	Issuer <Issr>	[1..1]			1327
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1327
	AttributeType <AttrTp>	[1..1]	CodeSet		1327
	AttributeValue <AttrVal>	[1..1]	Text		1328
	SerialNumber <SrlNb>	[1..1]	Binary		1328
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1328
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1328
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1329
Or	KEK <KEK>	[1..1]			1329
	Version <Vrsn>	[0..1]	Quantity		1329
	KEKIdentification <KEKId>	[1..1]	±		1329
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]	±		1330
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1330
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1330

44.1.25.11.4 EncryptedContent <NcrptdCntt>*Presence:* [0..1]*Definition:* Data protection by encryption (digital envelope), with an encryption key.**EncryptedContent <NcrptdCntt>** contains the following **EncryptedContent4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1353
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1353
	EncryptedData <NcrptdData>	[1..1]	Binary		1354

44.1.25.11.4.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data which have been encrypted.*Datatype:* "ContentType2Code" on page 1481

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

44.1.25.11.4.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>*Presence:* [0..1]*Definition:* Algorithm used to encrypt the data.**ContentEncryptionAlgorithm <CnttNcrptnAlgo>** contains the following elements (see "AlgorithmIdentification24" on page 1331 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1331
	Parameter <Param>	[0..1]			1333
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1333
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1333
	BytePadding <BPddg>	[0..1]	CodeSet		1333

44.1.25.11.4.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data, result of the content encryption.

Datatype: "Max100KBinary" on page 1452

44.1.25.12 SignedData5

Definition: Digital signatures of data from one or several signers.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1354
	DigestAlgorithm <DgstAlgo>	[0..*]	±		1355
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		1355
	Certificate <Cert>	[0..*]	Binary		1355
	Signer <Sgnr>	[0..*]			1355
	Version <Vrsn>	[0..1]	Quantity		1356
	SignerIdentification <SgnrId>	[0..1]			1356
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1357
	Issuer <Issr>	[1..1]			1357
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358
	SerialNumber <SrlNb>	[1..1]	Binary		1358
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1358
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1359
	SignedAttributes <SgndAttrbts>	[0..*]			1359
	Name <Nm>	[1..1]	Text		1359
	Value <Val>	[0..1]	Text		1359
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1359
	Signature <Sgntr>	[1..1]	Binary		1360

44.1.25.12.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.25.12.2 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification21](#)" on page 1340 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1340

44.1.25.12.3 EncapsulatedContent <NcpsltdCntt>

Presence: [0..1]

Definition: Data to sign.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 1207 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1207
	Content <Cntt>	[0..1]	Binary		1208

44.1.25.12.4 Certificate <Cert>

Presence: [0..*]

Definition: Chain of X.509 certificates.

Datatype: "[Max5000Binary](#)" on page 1453

44.1.25.12.5 Signer <Sgnr>

Presence: [0..*]

Definition: Digital signature and identification of a signer.

Signer <Sgnr> contains the following **Signer4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1356
	SignerIdentification <SgnrId>	[0..1]			1356
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1357
	Issuer <Issr>	[1..1]			1357
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358
	SerialNumber <SrlNb>	[1..1]	Binary		1358
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1358
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1359
	SignedAttributes <SgndAttrbts>	[0..*]			1359
	Name <Nm>	[1..1]	Text		1359
	Value <Val>	[0..1]	Text		1359
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1359
	Signature <Sgntr>	[1..1]	Binary		1360

44.1.25.12.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 1532

44.1.25.12.5.2 SignerIdentification <SgnrId>

Presence: [0..1]

Definition: Identification of the entity who has signed the data.

SignerIdentification <SgnrId> contains one of the following **Recipient5Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1357
	Issuer <Issr>	[1..1]			1357
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358
	SerialNumber <SrlNb>	[1..1]	Binary		1358
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1358

44.1.25.12.5.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1357
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358
	SerialNumber <SrlNb>	[1..1]	Binary		1358

44.1.25.12.5.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358

44.1.25.12.5.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358

44.1.25.12.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1471

CodeName	Name	Definition
CNAT	CommonName	Common name of the attribute (ASN.1 Object Identifier: id-at-commonName).
LATT	Locality	Locality of the attribute (ASN.1 Object Identifier: id-at-localityName).
OATT	OrganisationName	Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName).
OUAT	OrganisationUnitName	Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName).
CATT	CountryName	Country name of the attribute (ASN.1 Object Identifier: id-at-countryName).

44.1.25.12.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1536

44.1.25.12.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1452

44.1.25.12.5.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier2](#)" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.25.12.5.3 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of a digest algorithm to apply before signature.

DigestAlgorithm <DgstAlgo> contains the following elements (see "[AlgorithmIdentification21](#)" on page 1340 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1340

44.1.25.12.5.4 SignedAttributes <SgndAttrbts>

Presence: [0..*]

Definition: Collection of attributes that are signed.

SignedAttributes <SgndAttrbts> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1359
	Value <Val>	[0..1]	Text		1359

44.1.25.12.5.4.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "[Max70Text](#)" on page 1541

44.1.25.12.5.4.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "[Max140Text](#)" on page 1536

44.1.25.12.5.5 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following elements (see "AlgorithmIdentification20" on page 1341 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1342
	Parameter <Param>	[0..1]			1343
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1343
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1344
	Algorithm <Algo>	[1..1]	CodeSet		1344
	Parameter <Param>	[0..1]			1345
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1345
	SaltLength <SaltLngth>	[1..1]	Quantity		1345
	TrailerField <TrlrFld>	[0..1]	Quantity		1345

44.1.25.12.5.6 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "Max3000Binary" on page 1452

44.1.25.13 DigestedData5

Definition: Digest computed on the identified data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1360
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1360
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1361
	Digest <Dgst>	[1..1]	Binary		1361

44.1.25.13.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.25.13.2 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

DigestAlgorithm <DgstAlgo> contains the following elements (see "AlgorithmIdentification21" on page 1340 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1340

44.1.25.13.3 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data on which the digest is computed.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "EncapsulatedContent3" on page 1207 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1207
	Content <Cntt>	[0..1]	Binary		1208

44.1.25.13.4 Digest <Dgst>

Presence: [1..1]

Definition: Result of data-digesting process.

Datatype: "Max140Binary" on page 1452

44.1.25.14 ContentInformationType19

Definition: General cryptographic message syntax (CMS) containing protected data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1361
	EnvelopedData <EnvlpdData>	[0..1]	±		1362
	AuthenticatedData <AuthntcdData>	[0..1]	±		1362
	SignedData <SgndData>	[0..1]	±		1363
	DigestedData <DgstdData>	[0..1]	±		1363

44.1.25.14.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1481

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).

CodeName	Name	Definition
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

44.1.25.14.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Data protection by encryption, with a session key.

EnvelopedData <EnvlpdData> contains the following elements (see "[EnvelopedData5](#)" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1351
	OriginatorInformation <OrgtrlInf>	[0..1]			1351
	Certificate <Cert>	[0..*]	Binary		1352
	Recipient <Rcpt>	[1..*]	±		1352
	EncryptedContent <NcrptdCntt>	[0..1]			1353
	ContentType <CnttTp>	[1..1]	CodeSet		1353
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[0..1]	±		1353
	EncryptedData <NcrptdData>	[1..1]	Binary		1354

44.1.25.14.3 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData5](#)" on page 1349 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1349
	Recipient <Rcpt>	[1..*]	±		1349
	MACAlgorithm <MACAlgo>	[1..1]	±		1350
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1351
	MAC <MAC>	[1..1]	Binary		1351

44.1.25.14.4 SignedData <SgndData>*Presence:* [0..1]*Definition:* Data protected by a digital signatures.**SignedData <SgndData>** contains the following elements (see "SignedData5" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1354
	DigestAlgorithm <DgstAlgo>	[0..*]	±		1355
	EncapsulatedContent <NcpsltdCntt>	[0..1]	±		1355
	Certificate <Cert>	[0..*]	Binary		1355
	Signer <Sgnr>	[0..*]			1355
	Version <Vrsn>	[0..1]	Quantity		1356
	SignerIdentification <SgnrId>	[0..1]			1356
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1357
	Issuer <Issr>	[1..1]			1357
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1357
	AttributeType <AttrTp>	[1..1]	CodeSet		1358
	AttributeValue <AttrVal>	[1..1]	Text		1358
	SerialNumber <SrlNb>	[1..1]	Binary		1358
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1358
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1359
	SignedAttributes <SgndAttrbts>	[0..*]			1359
	Name <Nm>	[1..1]	Text		1359
	Value <Val>	[0..1]	Text		1359
	SignatureAlgorithm <SgntrAlgo>	[1..1]	±		1359
	Signature <Sgntr>	[1..1]	Binary		1360

44.1.25.14.5 DigestedData <DgstdData>*Presence:* [0..1]*Definition:* Data protected by a digest.

DigestedData <DgstdData> contains the following elements (see "DigestedData5" on page 1360 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1360
	DigestAlgorithm <DgstAlgo>	[1..1]	±		1360
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1361
	Digest <Dgst>	[1..1]	Binary		1361

44.1.26 Security

44.1.26.1 ContentInformationType20

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MACData <MACData>	[1..1]			1364
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngh>	[0..1]	Text		1366
	KeyProtection <KeyPrctn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlstnVctr>	[0..1]	Text		1366
	MAC <MAC>	[1..1]	Text		1367

44.1.26.1.1 MACData <MACData>

Presence: [1..1]

Definition: Type of data protection.

ISO 8583:87 bit 53 or 110

ISO 8583:93 bit 53 or 111

ISO 8583:2003 bit 53 or 50

MACData <MACData> contains the following **MACData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[1..1]	Text		1365
	KeySetIdentifier <KeySetIdr>	[1..1]	Text		1365
	DerivedInformation <DrvdInf>	[0..1]	Text		1365
	Algorithm <Algo>	[1..1]	Text		1366
	KeyLength <KeyLngth>	[0..1]	Text		1366
	KeyProtection <KeyPrctn>	[0..1]	Text		1366
	KeyIndex <KeyIndx>	[0..1]	Text		1366
	PaddingMethod <PddgMtd>	[0..1]	Text		1366
	InitialisationVector <InitlStnVctr>	[0..1]	Text		1366

44.1.26.1.1.1 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 1533

44.1.26.1.1.2 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 1542

44.1.26.1.1.3 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 1538

44.1.26.1.1.4 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 1538

44.1.26.1.1.5 KeyLength <KeyLngh>

Presence: [0..1]

Definition: Specifies the length of the keys being transported, not the encrypting key.

ISO 13492

Datatype: "Max4NumericText" on page 1540

44.1.26.1.1.6 KeyProtection <KeyPrctn>

Presence: [0..1]

Definition: Mechanism used to provide key confidentiality and integrity.

ISO 13492

Datatype: "Max2NumericText" on page 1538

44.1.26.1.1.7 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 1540

44.1.26.1.1.8 PaddingMethod <PddgMtd>

Presence: [0..1]

Definition: Identifies the padding method used for MAC.

ISO 13492

Datatype: "Max2NumericText" on page 1538

44.1.26.1.1.9 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector for CBC.

ISO 13492

Binary, lengths of 8, 16 or 32

Datatype: "Max32HexBinaryText" on page 1538

44.1.26.1.2 MAC <MAC>

Presence: [1..1]

Definition: Message Authentication Code data.

Binary, length of 8

ISO 8583 bit 64 or bit 128

Datatype: "Max8HexBinaryText" on page 1541

44.1.26.2 ProtectedData1

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1370
	EnvelopedData <EnvlpdData>	[0..1]			1370
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380
	Algorithm <Algo>	[1..1]	CodeSet		1381

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <OthrlId>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389
	EncryptedData <NcrptdData>	[0..1]			1389
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetldr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391
	KeyLength <KeyLngth>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyProtection <KeyPrtcn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

44.1.26.2.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType3Code" on page 1481

CodeName	Name	Definition
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
IFSE	ISOFinancialServicesDataEncryption	General data encryption that conforms to the ISO 13492 standard.

44.1.26.2.2 EnvelopedData <EnvlpdData>

Presence: [0..1]

Definition: Consists of an encrypted content of any type and encrypted content-encryption keys for one or more recipients. The combination of the encrypted content and one encrypted content-encryption key for a recipient is a "digital envelope" for that recipient.

EnvelopedData <EnvlpdData> contains the following **EnvelopedData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1372
	Recipient <Rcpt>	[1..*]			1372
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFmt>	[0..1]	CodeSet		1382

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <KeyId>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1384
	EncryptedContent <NcrptdCntt>	[0..1]			1384
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <OthrId>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389

44.1.26.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.26.2.2.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following **Recipient7Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1374
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <RcptId>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379
Or	KEK <KEK>	[1..1]			1379
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383
Or}	KeyIdentifier <Keyldr>	[1..1]			1383
	KeyIdentification <Keyld>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1384

44.1.26.2.2.2.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1374
	RecipientIdentification <Rcptld>	[1..1]			1375
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1376
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1377
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1379

44.1.26.2.2.2.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.26.2.2.1.2 RecipientIdentification <RcptId>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <RcptId> contains one of the following **Recipient5Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1375
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1376

44.1.26.2.2.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1375
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376
	SerialNumber <SrlNb>	[1..1]	Binary		1376

44.1.26.2.2.1.2.1.1 Issuer <Issr>

Presence: [1..1]

Definition: Certificate issuer name (see X.509).

Issuer <Issr> contains the following **CertificateIssuer1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1376
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376

44.1.26.2.2.1.2.1.1.1 RelativeDistinguishedName <RltvDstngshdNm>

Presence: [1..*]

Definition: Relative distinguished name inside a X.509 certificate.

RelativeDistinguishedName <RltvDstngshdNm> contains the following **RelativeDistinguishedName1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AttributeType <AttrTp>	[1..1]	CodeSet		1376
	AttributeValue <AttrVal>	[1..1]	Text		1376

44.1.26.2.2.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1471

CodeName	Name	Definition
CNAT	CommonName	Common name of the attribute (ASN.1 Object Identifier: id-at-commonName).
LATT	Locality	Locality of the attribute (ASN.1 Object Identifier: id-at-localityName).
OATT	OrganisationName	Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName).
OUAT	OrganisationUnitName	Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName).
CATT	CountryName	Country name of the attribute (ASN.1 Object Identifier: id-at-countryName).

44.1.26.2.2.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1536

44.1.26.2.2.1.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1452

44.1.26.2.2.1.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "KEKIdentifier2" on page 839 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		839
	KeyVersion <KeyVrsn>	[1..1]	Text		840
	SequenceNumber <SeqNb>	[0..1]	Quantity		840
	DerivationIdentification <DerivtnId>	[0..1]	Binary		840

44.1.26.2.2.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification27** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1377
	Parameter <Param>	[0..1]			1377
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379

44.1.26.2.2.1.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "Algorithm7Code" on page 1470

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSOA	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

44.1.26.2.2.1.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the encryption algorithm.

Parameter <Param> contains the following **Parameter13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1378
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1378
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379

44.1.26.2.2.1.3.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm20Code" on page 1468

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).

44.1.26.2.2.1.3.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following **AlgorithmIdentification26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1378
	Parameter <Param>	[0..1]	CodeSet		1379

44.1.26.2.2.1.3.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1471

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

44.1.26.2.2.1.3.2.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm

Datatype: "Algorithm5Code" on page 1470

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).

44.1.26.2.2.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1453

44.1.26.2.2.2.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1380
	KEKIdentification <KEKId>	[1..1]			1380
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1380
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382
	EncryptedKey <NcrptdKey>	[0..1]	Binary		1383

44.1.26.2.2.2.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1532

44.1.26.2.2.2.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following **KEKIdentifier6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1380
	KeyVersion <KeyVrsn>	[0..1]	Text		1380
	SequenceNumber <SeqNb>	[0..1]	Quantity		1380
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1380

44.1.26.2.2.2.2.2.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.26.2.2.2.2.2.2 KeyVersion <KeyVrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.26.2.2.2.2.2.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1532

44.1.26.2.2.2.2.2.4 DerivationIdentification <DerivtnId>

Presence: [0..1]

Definition: Identification used for derivation of a unique key from a master key provided for the data protection.

Datatype: "Min5Max16Binary" on page 1453

44.1.26.2.2.2.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification28** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1381
	Parameter <Param>	[0..1]			1382
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382

44.1.26.2.2.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm13Code" on page 1462

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

44.1.26.2.2.2.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1382
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1382
	BytePadding <BPddg>	[0..1]	CodeSet		1382

44.1.26.2.2.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat3Code" on page 1485

CodeName	Name	Definition
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
CTCE	CTCE	CTC encryption mode.
CBCE	CBC	Cipher Block Chaining mode of encryption

44.1.26.2.2.2.3.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1453

44.1.26.2.2.2.3.2.3 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 1475

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.1.26.2.2.2.4 EncryptedKey <NcrptdKey>

Presence: [0..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max500Binary" on page 1453

44.1.26.2.2.2.3 KeyIdentifier <KeyIdr>

Presence: [1..1]

Definition: Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.

KeyIdentifier <KeyIdr> contains the following **KEKIdentifier6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1383
	KeyVersion <KeyVrsn>	[0..1]	Text		1383
	SequenceNumber <SeqNb>	[0..1]	Quantity		1384
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1384

44.1.26.2.2.2.3.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.26.2.2.2.3.2 KeyVersion <KeyVrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1536

44.1.26.2.2.3.3 SequenceNumber <SeqNb>*Presence:* [0..1]*Definition:* Number of usages of the cryptographic key.*Datatype:* "Number" on page 1532**44.1.26.2.2.3.4 DerivationIdentification <DerivtnId>***Presence:* [0..1]*Definition:* Identification used for derivation of a unique key from a master key provided for the data protection.*Datatype:* "Min5Max16Binary" on page 1453**44.1.26.2.2.3 EncryptedContent <NcrptdCntt>***Presence:* [0..1]*Definition:* Encrypted data with an encryption key.**EncryptedContent <NcrptdCntt>** contains the following **EncryptedContent5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1384
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1385
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1387
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <OthrId>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389

44.1.26.2.2.3.1 ContentType <CnttTp>*Presence:* [1..1]*Definition:* Type of data which have been encrypted.*Datatype:* "ContentType2Code" on page 1481

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

44.1.26.2.2.3.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnttNcrptnAlgo> contains the following **AlgorithmIdentification25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1385
	Parameter <Param>	[0..1]			1386
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387

44.1.26.2.2.3.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the encryption algorithm.

Datatype: "Algorithm23Code" on page 1469

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as

CodeName	Name	Definition
		defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).

44.1.26.2.2.3.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated with the CBC (Chain Block Chaining) encryption algorithm.

Parameter <Param> contains the following **Parameter7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1387
	BytePadding <BPddg>	[0..1]	CodeSet		1387

44.1.26.2.2.3.2.2.1 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1453

44.1.26.2.2.3.2.2.2 BytePadding <BPddg>

Presence: [0..1]

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Datatype: "BytePadding1Code" on page 1475

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.1.26.2.2.3.3 EncryptedDataElement <NcrptdDataElmt>

Presence: [1..*]

Definition: Encrypted data, result of the content encryption.

EncryptedDataElement <NcrptdDataElmt> contains the following **EncryptedDataElement1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	CodeSet		1388
	OtherIdentification <OthrlId>	[0..1]	Text		1388
	EncryptedData <NcrptdData>	[1..1]			1388
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1389
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1389

44.1.26.2.2.3.3.1 Identification <Id>

Presence: [0..1]

Definition: Identifies the element that has been encrypted.

These codes have the same value as the tag assignments shown in ISO 13492 for the data encryption dataset. The codes are variable in length and conform to ISO/IEC 8825-1.

Datatype: "ExternalEncryptedElementIdentification1Code" on page 1485

44.1.26.2.2.3.3.2 OtherIdentification <OthrlId>

Presence: [0..1]

Definition: Other identification scheme for identifying the element that has been encrypted.

Datatype: "Max35Text" on page 1539

44.1.26.2.2.3.3.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data element.

EncryptedData <NcrptdData> contains one of the following **EncryptedData1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	BinaryData <BinryData>	[1..1]	Binary		1388
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1388

44.1.26.2.2.3.3.3.1 BinaryData <BinryData>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 1452

44.1.26.2.2.3.3.3.2 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 1542

44.1.26.2.2.3.3.4 ClearTextDataFormat <ClearTxtDataFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 1484

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.

44.1.26.2.2.3.3.5 OtherClearTextDataFormat <OthrClearTxtDataFrmt>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1539

44.1.26.2.3 EncryptedData <NcrptdData>

Presence: [0..1]

Definition: Contains encrypted data and the attributes used to encrypt the data using the ISO 13492 methods for data encryption. The encryption key is not included in the message with this method.

EncryptedData <NcrptdData> contains the following **EncryptedData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1390
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1390
	DerivedInformation <DrvdInf>	[0..1]	Text		1390
	Algorithm <Algo>	[0..1]	Text		1391
	KeyLength <KeyLngth>	[0..1]	Text		1391
	KeyProtection <KeyPrctn>	[0..1]	Text		1391
	KeyIndex <KeyIndx>	[0..1]	Text		1391
	PaddingMethod <PddgMtd>	[0..1]	Text		1391
	EncryptedDataFormat <NcrptdDataFrmt>	[0..1]	Text		1391
	EncryptedDataElement <NcrptdDataElmt>	[1..*]			1392
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <OthrId>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

44.1.26.2.3.1 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 1533

44.1.26.2.3.2 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 1542

44.1.26.2.3.3 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 1538

44.1.26.2.3.4 Algorithm <Algo>

Presence: [0..1]

Definition: Defines the algorithm used for encryption.

See ISO 13492 Algorithm field for values.

Datatype: "Max2NumericText" on page 1538

44.1.26.2.3.5 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 1540

44.1.26.2.3.6 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 1538

44.1.26.2.3.7 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 1540

44.1.26.2.3.8 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 1538

44.1.26.2.3.9 EncryptedDataFormat <NcrptdDataFrmt>

Presence: [0..1]

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

See ISO 13492 Encrypted data format field for values.

Datatype: "Max2NumericText" on page 1538

44.1.26.2.3.10 EncryptedDataElement <NcrptdDataElmt>

Presence: [1..*]

Definition: Encrypted data element information.

EncryptedDataElement <NcrptdDataElmt> contains the following **EncryptedDataElement1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	CodeSet		1392
	OtherIdentification <Othrid>	[0..1]	Text		1392
	EncryptedData <NcrptdData>	[1..1]			1392
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393
	ClearTextDataFormat <ClearTxtDataFrmt>	[0..1]	CodeSet		1393
	OtherClearTextDataFormat <OthrClearTxtDataFrmt>	[0..1]	Text		1393

44.1.26.2.3.10.1 Identification <Id>

Presence: [0..1]

Definition: Identifies the element that has been encrypted.

These codes have the same value as the tag assignments shown in ISO 13492 for the data encryption dataset. The codes are variable in length and conform to ISO/IEC 8825-1.

Datatype: "ExternalEncryptedElementIdentification1Code" on page 1485

44.1.26.2.3.10.2 OtherIdentification <Othrid>

Presence: [0..1]

Definition: Other identification scheme for identifying the element that has been encrypted.

Datatype: "Max35Text" on page 1539

44.1.26.2.3.10.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data element.

EncryptedData <NcrptdData> contains one of the following **EncryptedData1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	BinaryData <BinryData>	[1..1]	Binary		1392
Or}	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1393

44.1.26.2.3.10.3.1 BinaryData <BinryData>

Presence: [1..1]

Definition: BASE-64 encoded encrypted data.

Datatype: "Max100KBinary" on page 1452

44.1.26.2.3.10.3.2 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Hexadecimal binary encoded encrypted data.

Datatype: "Max9999HexBinaryText" on page 1542

44.1.26.2.3.10.4 ClearTextDataFormat <ClearTxtDataFrmt>

Presence: [0..1]

Definition: Format of the raw data prior to encryption.

Datatype: "EncryptedDataFormat1Code" on page 1484

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.

44.1.26.2.3.10.5 OtherClearTextDataFormat <OthrClearTxtDataFrmt>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1539

44.1.27 Settlement Details

44.1.27.1 SettlementService1

Definition: Attributes of a settlement service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceProposed <SttlmSvcPropsd>	[0..1]			1394
	Type <Tp>	[0..1]	Text		1394
	Identification <Id>	[0..1]	Text		1395
	ShortName <ShrtNm>	[0..1]	Text		1395
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1395
	SettlementServiceApplied <SttlmSvcApld>	[0..1]			1395
	Type <Tp>	[0..1]	Text		1395
	Identification <Id>	[0..1]	Text		1396
	ShortName <ShrtNm>	[0..1]	Text		1396
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1396
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1396
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1396
	SettlementDate <SttlmDt>	[0..1]	Date		1396
	SettlementTime <SttlmTm>	[0..1]	Time		1397
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1397
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1397
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1397
	Type <Tp>	[0..1]	Text		1397
	Identification <Id>	[0..1]	Text		1397

44.1.27.1.1 SettlementServiceProposed <SttlmSvcPropsd>

Presence: [0..1]

Definition: Type of settlement service proposed.

SettlementServiceProposed <SttlmSvcPropsd> contains the following **SettlementServiceModel1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1394
	Identification <Id>	[0..1]	Text		1395
	ShortName <ShrtNm>	[0..1]	Text		1395
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1395

44.1.27.1.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.1.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.1.1.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1539

44.1.27.1.1.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1513

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.27.1.2 SettlementServiceApplied <SttlmSvcApId>

Presence: [0..1]

Definition: Settlement service actually applied to the transaction.

SettlementServiceApplied <SttlmSvcApId> contains the following **SettlementServiceMode1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1395
	Identification <Id>	[0..1]	Text		1396
	ShortName <ShrtNm>	[0..1]	Text		1396
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1396

44.1.27.1.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.1.2.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.1.2.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1539

44.1.27.1.2.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1513

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.27.1.3 SettlementServiceDates <SttlmSvcDts>

Presence: [0..1]

Definition: Dates related to the settlement service related to the transaction.

SettlementServiceDates <SttlmSvcDts> contains the following **SettlementServiceDate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1396
	SettlementDate <SttlmDt>	[0..1]	Date		1396
	SettlementTime <SttlmTm>	[0..1]	Time		1397
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1397
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1397

44.1.27.1.3.1 RequestedSettlementDate <ReqdSttlmDt>

Presence: [0..1]

Definition: Date requested for settlement.

Datatype: "ISODate" on page 1530

44.1.27.1.3.2 SettlementDate <SttlmDt>

Presence: [0..1]

Definition: Actual date of settlement.

ISO 8583 bit 15.

Datatype: "ISODate" on page 1530

44.1.27.1.3.3 SettlementTime <SttlmTm>

Presence: [0..1]

Definition: Actual time of settlement.

Datatype: "ISOTime" on page 1543

44.1.27.1.3.4 SettlementPeriod <SttlmPrd>

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 1539

44.1.27.1.3.5 SettlementCutOffTime <SttlmCutOffTm>

Presence: [0..1]

Definition: Identifies the effective end time of the settlement date and/or period.

Datatype: "ISODateTime" on page 1530

44.1.27.1.4 SettlementReportingEntity <SttlmRptgNtty>

Presence: [0..1]

Definition: Entity in charge of the settlement reporting service.

SettlementReportingEntity <SttlmRptgNtty> contains the following **SettlementReportingEntity1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1397
	Identification <Id>	[0..1]	Text		1397

44.1.27.1.4.1 Type <Tp>

Presence: [0..1]

Definition: Identifies the type of settlement reporting entity

Datatype: "Max35Text" on page 1539

44.1.27.1.4.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the settlement reporting entity.

Datatype: "Max35Text" on page 1539

44.1.27.2 SettlementService2

Definition: Attributes of a settlement service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SettlementServiceApplied <SttlmSvcApId>	[0..1]			1398
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399
	SettlementServiceDates <SttlmSvcDts>	[0..1]			1399
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400
	SettlementReportingEntity <SttlmRptgNtty>	[0..1]			1400
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

44.1.27.2.1 SettlementServiceApplied <SttlmSvcApId>

Presence: [0..1]

Definition: Settlement service actually applied to the transaction.

SettlementServiceApplied <SttlmSvcApId> contains the following **SettlementServiceMode1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1398
	Identification <Id>	[0..1]	Text		1398
	ShortName <ShrtNm>	[0..1]	Text		1399
	SettlementPriority <SttlmPrty>	[0..1]	CodeSet		1399

44.1.27.2.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.2.1.2 Identification <Id>

Presence: [0..1]

Definition: Identification of settlement service.

Datatype: "Max35Text" on page 1539

44.1.27.2.1.3 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the Settlement Service.

Datatype: "Max35Text" on page 1539

44.1.27.2.1.4 SettlementPriority <SttlmPrty>

Presence: [0..1]

Definition: Priority to process a settlement.

Datatype: "Priority3Code" on page 1513

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.1.27.2.2 SettlementServiceDates <SttlmSvcDts>

Presence: [0..1]

Definition: Dates related to the settlement service related to the transaction.

SettlementServiceDates <SttlmSvcDts> contains the following **SettlementServiceDate1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RequestedSettlementDate <ReqdSttlmDt>	[0..1]	Date		1399
	SettlementDate <SttlmDt>	[0..1]	Date		1399
	SettlementTime <SttlmTm>	[0..1]	Time		1400
	SettlementPeriod <SttlmPrd>	[0..1]	Text		1400
	SettlementCutOffTime <SttlmCutOffTm>	[0..1]	DateTime		1400

44.1.27.2.2.1 RequestedSettlementDate <ReqdSttlmDt>

Presence: [0..1]

Definition: Date requested for settlement.

Datatype: "ISODate" on page 1530

44.1.27.2.2.2 SettlementDate <SttlmDt>

Presence: [0..1]

Definition: Actual date of settlement.

ISO 8583 bit 15.

Datatype: "ISODate" on page 1530

44.1.27.2.2.3 SettlementTime <SttlmTm>

Presence: [0..1]

Definition: Actual time of settlement.

Datatype: "ISOTime" on page 1543

44.1.27.2.2.4 SettlementPeriod <SttlmPrd>

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 1539

44.1.27.2.2.5 SettlementCutOffTime <SttlmCutOffTm>

Presence: [0..1]

Definition: Identifies the effective end time of the settlement date and/or period.

Datatype: "ISODateTime" on page 1530

44.1.27.2.3 SettlementReportingEntity <SttlmRptgNtty>

Presence: [0..1]

Definition: Entity in charge of the settlement reporting service.

SettlementReportingEntity <SttlmRptgNtty> contains the following **SettlementReportingEntity1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1400
	Identification <Id>	[0..1]	Text		1400

44.1.27.2.3.1 Type <Tp>

Presence: [0..1]

Definition: Identifies the type of settlement reporting entity

Datatype: "Max35Text" on page 1539

44.1.27.2.3.2 Identification <Id>

Presence: [0..1]

Definition: Identification of the settlement reporting entity.

Datatype: "Max35Text" on page 1539

44.1.28 Status

44.1.28.1 Action9

Definition: Set of actions to be performed.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[0..1]	CodeSet		1401
	ActionType <ActnTp>	[0..1]	CodeSet		1401
	OtherActionType <OthrActnTp>	[0..1]	Text		1402
	ActionInformation <ActnInf>	[0..1]	Text		1402

44.1.28.1.1 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the action.

Datatype: "PartyType20Code" on page 1506

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.

44.1.28.1.2 ActionType <ActnTp>

Presence: [0..1]

Definition: Action type to be performed.

Datatype: "ActionType11Code" on page 1454

CodeName	Name	Definition
CNTI	ContactIssuer	Contact card issuer.
CNIS	ContactIssuerSpecialConditions	Refer to card issuer's special conditions.
CNTA	ContactAcquirer	Contact acquirer.
CNAS	ContactAcquirerSecurity	Card acceptor to call acquirer's security department.
CPTR	CaptureCard	Capture the card.
CHDV	CardholderVerification	Additional verification of cardholder required.
VIPM	VIPAccountManagement	Manage account as a VIP one.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.
TRXR	ReEnterTransaction	Transaction to be re-entered.
OTHN	OtherNational	Other action defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other action defined at private level
SIGN	Signature	Signature required.

44.1.28.1.3 OtherActionType <OthrActnTp>

Presence: [0..1]

Definition: Other action type to be performed.

Datatype: "Max35Text" on page 1539

44.1.28.1.4 ActionInformation <ActnInf>

Presence: [0..1]

Definition: Additional information to the type of action to be performed (for example, channel to be used for additional verification or authentication).

Datatype: "Max70Text" on page 1541

44.1.28.2 ResultData2

Definition: Result of the processing.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1402
	OtherResult <OthrRslt>	[0..1]	Text		1403
	ResultDetails <RsltDtls>	[1..1]	Text		1403
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1403
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1403
	Type <Tp>	[0..1]	Text		1403
	Value <Val>	[0..1]	Text		1404

44.1.28.2.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response6Code" on page 1517

CodeName	Name	Definition
UNPR	NotProcessed	Advice message could not be processed.
PPRC	PartiallyProcessed	Processing of the service has been partially performed.
PRCS	Processed	Advice message is processed.
REJT	Rejected	Service was rejected.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of processing result defined at private level.
OTHN	OtherNational	Other type of processing result defined at national level.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).
UNRV	UnderReview	Service is under review.

44.1.28.2.2 OtherResult <OthrRsIt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.2.3 ResultDetails <RsItDtIs>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.28.2.4 OtherResultDetails <OthrRsItDtIs>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.2.5 AdditionalResultInformation <AddtIRsItInf>

Presence: [0..*]

Definition: Additional result information to be conveyed.

AdditionalResultInformation <AddtIRsItInf> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1403
	Value <Val>	[0..1]	Text		1404

44.1.28.2.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.28.2.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.28.3 ResultData1

Definition: Result of the processing.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.3.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

ISO 8583 bit 39

Datatype: "Response8Code" on page 1518

CodeName	Name	Definition
PRCS	Processed	Advice message is processed.
UNPR	NotProcessed	Advice message could not be processed.
UNRV	UnderReview	Service is under review.
REJT	Rejected	Service was rejected.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).
OTHN	OtherNational	Other type of processing result defined at national level.
OTHP	OtherPrivate	Other type of processing result defined at private level.

44.1.28.3.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.3.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.28.3.4 OtherResultDetails <OthrRsltDtls>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.3.5 AdditionalResultInformation <AddtlRsltInf>

Presence: [0..*]

Definition: Additional result information to be conveyed.

AdditionalResultInformation <AddtlRsltInf> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.3.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.28.3.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.28.4 ProcessingResult7

Definition: Outcome of the processing of the authorisation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		1406
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1406
	AdditionalInformation <AddtlInf>	[0..*]	±		1406

44.1.28.4.1 ResultData <RsItData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsItData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <RsIt>	[0..1]	CodeSet		1404
	OtherResult <OthrRsIt>	[0..1]	Text		1404
	ResultDetails <RsItDtIs>	[1..1]	Text		1405
	OtherResultDetails <OthrRsItDtIs>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsItInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.4.2 OriginalResultData <OrgnlRsItData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request

OriginalResultData <OrgnlRsItData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <RsIt>	[0..1]	CodeSet		1404
	OtherResult <OthrRsIt>	[0..1]	Text		1404
	ResultDetails <RsItDtIs>	[1..1]	Text		1405
	OtherResultDetails <OthrRsItDtIs>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsItInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.4.3 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.28.5 ProcessingResult6

Definition: Outcome of the verification processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1407
	Result <Rslt>	[0..1]	CodeSet		1408
	OtherResult <OthrRslt>	[0..1]	Text		1408
	ResultDetails <RsltDtls>	[1..1]	Text		1408
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1409
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1409
	Type <Tp>	[0..1]	Text		1409
	Value <Val>	[0..1]	Text		1409
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1409
	ActionRequired <ActnReqr>	[0..1]	Indicator		1410
	Action <Actn>	[0..*]	±		1410
	AdditionalAction <AddtlActn>	[0..*]	±		1410
	AdditionalInformation <AddtlInf>	[0..*]	±		1411

44.1.28.5.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following **ResultData6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1408
	OtherResult <OthrRslt>	[0..1]	Text		1408
	ResultDetails <RsltDtls>	[1..1]	Text		1408
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1409
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1409
	Type <Tp>	[0..1]	Text		1409
	Value <Val>	[0..1]	Text		1409

44.1.28.5.1.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response10Code" on page 1517

CodeName	Name	Definition
INPS	InProgress	Request is still in progress.
UNRV	UnderReview	Service is under review.
OTHP	OtherPrivate	Other type of processing result defined at private level.
OTHN	OtherNational	Other type of processing result defined at national level.
FAIL	Failure	Processing of the request fails for various reasons. Some further processing according to the type of requested service, the context of the process, and some additional precision about the failure notified in the ErrorCondition data element.
SUCC	Success	Processing OK. Information related to the result of the processing is contained in other parts of the response message.

44.1.28.5.1.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.5.1.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.28.5.1.4 OtherResultDetails <OthrRsltDtls>

Presence: [0..1]

Definition: Other result details of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.5.1.5 AdditionalResultInformation <AddtlRsltInf>

Presence: [0..*]

Definition: Additional result information to be conveyed.

AdditionalResultInformation <AddtlRsltInf> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1409
	Value <Val>	[0..1]	Text		1409

44.1.28.5.1.5.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.28.5.1.5.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.28.5.2 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnIRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.5.3 ActionRequired <ActnRequd>

Presence: [0..1]

Definition: Action required flag.

Default: False: Action Not Required.

True: Action Required.

Datatype: One of the following values must be used (see "YesNoIndicator" on page 1531):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.28.5.4 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1400 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstrn>	[0..1]	CodeSet		1401
	ActionType <ActnTp>	[0..1]	CodeSet		1401
	OtherActionType <OthrActnTp>	[0..1]	Text		1402
	ActionInformation <ActnInf>	[0..1]	Text		1402

44.1.28.5.5 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1428
	Destination <Dstn>	[0..1]	CodeSet		1429
	OtherDestination <OthrDstn>	[0..1]	Text		1429
	DestinationType <DstnTp>	[0..1]	CodeSet		1429
	OtherDestinationType <OthrDstnTp>	[0..1]	Text		1429
	DestinationAddress <DstnAdr>	[0..1]	Text		1430
	Format <Frmt>	[0..1]	CodeSet		1430
	OtherFormat <OthrFrmt>	[0..1]	Text		1430
	Content <Cnnt>	[0..1]			1430
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.5.6 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.28.6 ProcessingResult5

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]	±		1412
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1412
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1413
	Action <Actn>	[0..*]	±		1413
	AdditionalAction <AddtlActn>	[0..*]	±		1413
	AdditionalInformation <AddtlInf>	[0..*]	±		1414

44.1.28.6.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.6.2 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnIRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.6.3 ActionRequired <ActnRequd>

Presence: [0..1]

Definition: Action required flag.

Default: False: Action Not Required.

True: Action Required.

Datatype: One of the following values must be used (see "YesNoIndicator" on page 1531):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.28.6.4 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1400 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[0..1]	CodeSet		1401
	ActionType <ActnTp>	[0..1]	CodeSet		1401
	OtherActionType <OthrActnTp>	[0..1]	Text		1402
	ActionInformation <ActnInf>	[0..1]	Text		1402

44.1.28.6.5 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1428
	Destination <Dstn>	[0..1]	CodeSet		1429
	OtherDestination <OthrDstn>	[0..1]	Text		1429
	DestinationType <DstnTp>	[0..1]	CodeSet		1429
	OtherDestinationType <OthrDstnTp>	[0..1]	Text		1429
	DestinationAddress <DstnAdr>	[0..1]	Text		1430
	Format <Frmt>	[0..1]	CodeSet		1430
	OtherFormat <OthrFrmt>	[0..1]	Text		1430
	Content <Cnnt>	[0..1]			1430
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.6.6 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

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AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.28.7 ProcessingResult4

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[0..1]			1415
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1416
	AdditionalInformation <AddtlInf>	[0..*]	±		1417

44.1.28.7.1 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following **ResultData5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1415
	OtherResult <OthrRslt>	[0..1]	Text		1416
	ResultDetails <RsltDtls>	[1..1]	Text		1416
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1416
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416

44.1.28.7.1.1 Result <Rslt>

Presence: [0..1]

Definition: Generic result of the processing.

Datatype: "Response8Code" on page 1518

CodeName	Name	Definition
PRCS	Processed	Advice message is processed.
UNPR	NotProcessed	Advice message could not be processed.
UNRV	UnderReview	Service is under review.
REJT	Rejected	Service was rejected.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).

CodeName	Name	Definition
OTHN	OtherNational	Other type of processing result defined at national level.
OTHP	OtherPrivate	Other type of processing result defined at private level.

44.1.28.7.1.2 OtherResult <OthrRslt>

Presence: [0..1]

Definition: Other type of result of the processing.

Datatype: "Max35Text" on page 1539

44.1.28.7.1.3 ResultDetails <RsltDtls>

Presence: [1..1]

Definition: Detailed results of the processing.

ISO 8583:1987 bit 39, response code list

Datatype: "Exact2AlphaNumericText" on page 1533

44.1.28.7.1.4 AdditionalResultInformation <AddtlRsltInf>

Presence: [0..*]

Definition: Additional result information to be conveyed.

AdditionalResultInformation <AddtlRsltInf> contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1416
	Value <Val>	[0..1]	Text		1416

44.1.28.7.1.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of information.

Datatype: "Max35Text" on page 1539

44.1.28.7.1.4.2 Value <Val>

Presence: [0..1]

Definition: Value of a specific type of data.

Datatype: "Max2048Text" on page 1537

44.1.28.7.2 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnlRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.7.3 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation22" on page 1193 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1193
	Target <Trgt>	[0..*]	CodeSet		1194
	Format <Frmt>	[0..1]	CodeSet		1194
	Type <Tp>	[0..1]	Text		1195
	Value <Val>	[1..1]	Text		1195

44.1.28.8 ProcessingResult3

Definition: Outcome of the processing of the batch.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResultData <RsltData>	[1..1]	±		1417
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1418

44.1.28.8.1 ResultData <RsltData>

Presence: [1..1]

Definition: Result information related to the processing of the transaction.

ResultData <RsltData> contains the following elements (see "ResultData2" on page 1402 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1402
	OtherResult <OthrRslt>	[0..1]	Text		1403
	ResultDetails <RsltDtls>	[1..1]	Text		1403
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1403
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1403
	Type <Tp>	[0..1]	Text		1403
	Value <Val>	[0..1]	Text		1404

44.1.28.8.2 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnlRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.9 ProcessingResult2

Definition: Outcome of the processing of the authorisation.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1419
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419
	ResultData <RsltData>	[0..1]	±		1420
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1420
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1420
	Action <Actn>	[0..*]	±		1421
	AdditionalAction <AddtlActn>	[0..*]	±		1421
	AdditionalInformation <AddtlInf>	[0..*]	±		1422

44.1.28.9.1 ApprovalData <ApprvlData>

Presence: [0..1]

Definition: Data pertaining to the approval of the transaction.

ApprovalData <ApprvlData> contains the following **ApprovalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1419
	ApprovalCode <ApprvlCd>	[0..1]	Text		1419

44.1.28.9.1.1 ApprovalEntity <ApprvlNtty>

Presence: [0..1]

Definition: Entity that has delivered or declined the card payment authorisation (the party may be unidentified).

ApprovalEntity <ApprvlNtty> contains the following elements (see "[ApprovalEntity1](#)" on page 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1426
	Type <Tp>	[1..1]	CodeSet		1426
	OtherType <OthrTp>	[0..1]	Text		1427
	Assigner <Assgnr>	[0..1]	CodeSet		1427
	Country <Ctry>	[0..1]	Text		1427
	ShortName <ShrtNm>	[0..1]	Text		1428

44.1.28.9.1.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the approval entity indicating approval.

ISO 8583:93/2003 bit 38

Datatype: "Exact6AlphaNumericText" on page 1534

44.1.28.9.2 ResultData <RsltData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.9.3 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnlRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.9.4 ActionRequired <ActnReqr>

Presence: [0..1]

Definition: Action required flag.

Default: False: Action Not Required.

True: Action Required.

Datatype: One of the following values must be used (see "YesNoIndicator" on page 1531):

- *Meaning When True*: Yes
- *Meaning When False*: No

44.1.28.9.5 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

Action <Actn> contains the following elements (see "Action9" on page 1400 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[0..1]	CodeSet		1401
	ActionType <ActnTp>	[0..1]	CodeSet		1401
	OtherActionType <OthrActnTp>	[0..1]	Text		1402
	ActionInformation <ActnInf>	[0..1]	Text		1402

44.1.28.9.6 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "AdditionalAction1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1428
	Destination <Dstn>	[0..1]	CodeSet		1429
	OtherDestination <OthrDstn>	[0..1]	Text		1429
	DestinationType <DstnTp>	[0..1]	CodeSet		1429
	OtherDestinationType <OthrDstnTp>	[0..1]	Text		1429
	DestinationAddress <DstnAdr>	[0..1]	Text		1430
	Format <Frmt>	[0..1]	CodeSet		1430
	OtherFormat <OthrFrmt>	[0..1]	Text		1430
	Content <Cntt>	[0..1]			1430
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.9.7 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.28.10 ProcessingResult1

Definition: Outcome of the processing of the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalData <ApprvlData>	[0..1]			1422
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423
	ResultData <RsltData>	[0..1]	±		1423
	OriginalResultData <OrgnlRsltData>	[0..1]	±		1424
	ActionRequired <ActnReqrd>	[0..1]	Indicator		1424
	Action <Actn>	[0..*]	±		1425
	AdditionalAction <AddtlActn>	[0..*]	±		1425
	AdditionalInformation <AddtlInf>	[0..*]	±		1425

44.1.28.10.1 ApprovalData <ApprvlData>

Presence: [0..1]

Definition: Data pertaining to the approval of the transaction.

ApprovalData <ApprvlData> contains the following **ApprovalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApprovalEntity <ApprvlNtty>	[0..1]	±		1423
	ApprovalCode <ApprvlCd>	[0..1]	Text		1423

44.1.28.10.1.1 ApprovalEntity <ApprvlNtty>

Presence: [0..1]

Definition: Entity that has delivered or declined the card payment authorisation (the party may be unidentified).

ApprovalEntity <ApprvlNtty> contains the following elements (see "[ApprovalEntity1](#)" on page 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1426
	Type <Tp>	[1..1]	CodeSet		1426
	OtherType <OthrTp>	[0..1]	Text		1427
	Assigner <Assgnr>	[0..1]	CodeSet		1427
	Country <Ctry>	[0..1]	Text		1427
	ShortName <ShrtNm>	[0..1]	Text		1428

44.1.28.10.1.2 ApprovalCode <ApprvlCd>

Presence: [0..1]

Definition: Value assigned by the approval entity indicating approval.

ISO 8583:93/2003 bit 38

Datatype: "[Exact6AlphaNumericText](#)" on page 1534

44.1.28.10.2 ResultData <RsItData>

Presence: [0..1]

Definition: Result of the processing.

ResultData <RsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.10.3 OriginalResultData <OrgnlRsltData>

Presence: [0..1]

Definition: Outcome of a previous processing, for example, in response to a duplicate request.

OriginalResultData <OrgnlRsltData> contains the following elements (see "ResultData1" on page 1404 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[0..1]	CodeSet		1404
	OtherResult <OthrRslt>	[0..1]	Text		1404
	ResultDetails <RsltDtls>	[1..1]	Text		1405
	OtherResultDetails <OthrRsltDtls>	[0..1]	Text		1405
	AdditionalResultInformation <AddtlRsltInf>	[0..*]			1405
	Type <Tp>	[0..1]	Text		1405
	Value <Val>	[0..1]	Text		1405

44.1.28.10.4 ActionRequired <ActnReqrd>

Presence: [0..1]

Definition: Action required flag.

Default: False: Action Not Required.

True: Action Required.

Datatype: One of the following values must be used (see "YesNoIndicator" on page 1531):

- *Meaning When True:* Yes
- *Meaning When False:* No

44.1.28.10.5 Action <Actn>

Presence: [0..*]

Definition: Set of actions to be performed.

ISO 8583 bit 39

Action <Actn> contains the following elements (see "[Action9](#)" on page 1400 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[0..1]	CodeSet		1401
	ActionType <ActnTp>	[0..1]	CodeSet		1401
	OtherActionType <OthrActnTp>	[0..1]	Text		1402
	ActionInformation <ActnInf>	[0..1]	Text		1402

44.1.28.10.6 AdditionalAction <AddtlActn>

Presence: [0..*]

Definition: Additional action to perform.

AdditionalAction <AddtlActn> contains the following elements (see "[AdditionalAction1](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1428
	Destination <Dstn>	[0..1]	CodeSet		1429
	OtherDestination <OthrDstn>	[0..1]	Text		1429
	DestinationType <DstnTp>	[0..1]	CodeSet		1429
	OtherDestinationType <OthrDstnTp>	[0..1]	Text		1429
	DestinationAddress <DstnAdr>	[0..1]	Text		1430
	Format <Frmt>	[0..1]	CodeSet		1430
	OtherFormat <OthrFrmt>	[0..1]	Text		1430
	Content <Cntt>	[0..1]			1430
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.10.7 AdditionalInformation <AddtlInf>

Presence: [0..*]

Definition: Additional information relevant for the destination.

ISO 8583 bit 44

AdditionalInformation <AddtlInf> contains the following elements (see "AdditionalInformation20" on page 1195 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Recipient <Rcpt>	[0..1]	CodeSet		1195
	OtherRecipient <OthrRcpt>	[0..1]	Text		1196
	Target <Trgt>	[0..*]	CodeSet		1196
	OtherTarget <OthrTrgt>	[0..1]	Text		1196
	Format <Frmt>	[0..1]	CodeSet		1196
	OtherFormat <OthrFrmt>	[0..1]	Text		1197
	Type <Tp>	[0..1]	Text		1197
	Value <Val>	[1..1]	Text		1197

44.1.28.11 ApprovalEntity1

Definition: Entity that has delivered or declined the card payment authorisation (the party may be unidentified).

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[0..1]	Text		1426
	Type <Tp>	[1..1]	CodeSet		1426
	OtherType <OthrTp>	[0..1]	Text		1427
	Assigner <Assgnr>	[0..1]	CodeSet		1427
	Country <Ctry>	[0..1]	Text		1427
	ShortName <ShrtNm>	[0..1]	Text		1428

44.1.28.11.1 Identification <Id>

Presence: [0..1]

Definition: Identification of the entity.

ISO 8583:93/2003 bit 58

Datatype: "Max35Text" on page 1539

44.1.28.11.2 Type <Tp>

Presence: [1..1]

Definition: Type of entity having declined or delivered the card payment authorisation.

Datatype: "PartyType26Code" on page 1508

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.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.28.11.3 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of party.

Datatype: "Max35Text" on page 1539

44.1.28.11.4 Assigner <Assgnr>

Presence: [0..1]

Definition: Entity in charge of assigning the identification.

Datatype: "PartyType9Code" on page 1509

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
SCHP	CardSchemeProcessor	Entity providing card payment processing services acting on behalf of a card scheme.

44.1.28.11.5 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity declining or delivering the authorisation.

ISO 3166-1 alpha-2 or alpha-3.

ISO 8583:93 bit 70

Datatype: "Min2Max3AlphaText" on page 1542

44.1.28.11.6 ShortName <ShrtNm>

Presence: [0..1]

Definition: Short name of the entity delivering or declining the authorisation.

Datatype: "Max35Text" on page 1539

44.1.28.12 AdditionalAction1

Definition: Additional action to perform.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	CodeSet		1428
	Destination <Dstn>	[0..1]	CodeSet		1429
	OtherDestination <OthrDstn>	[0..1]	Text		1429
	DestinationType <DstnTp>	[0..1]	CodeSet		1429
	OtherDestinationType <OthrDstnTp>	[0..1]	Text		1429
	DestinationAddress <DstnAdr>	[0..1]	Text		1430
	Format <Frmt>	[0..1]	CodeSet		1430
	OtherFormat <OthrFrmt>	[0..1]	Text		1430
	Content <Cnnt>	[0..1]			1430
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.12.1 Type <Tp>

Presence: [0..1]

Definition: Type of additional action to perform.

Datatype: "ActionType10Code" on page 1454

CodeName	Name	Definition
ACTV	Activate	Activate device or service.
DEAC	Deactivate	Deactivate device or service.
DISP	DisplayMessage	Message to display, print or log.
FUPD	FileUpdate	Update a data file.

CodeName	Name	Definition
PRNT	PrintMessage	Print a message.
SNDM	SendMessage	Send a message.

44.1.28.12.2 Destination <Dstn>

Presence: [0..1]

Definition: Destination of the additional action to perform.

Datatype: "PartyType21Code" on page 1506

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
CRDH	Cardholder	Holder of a payment card.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.1.28.12.3 OtherDestination <OthrDstn>

Presence: [0..1]

Definition: Other destination of action.

Datatype: "Max35Text" on page 1539

44.1.28.12.4 DestinationType <DstnTp>

Presence: [0..1]

Definition: Type of destination of the additional action to perform.

Datatype: "ActionDestination1Code" on page 1453

CodeName	Name	Definition
FILE	File	Data file
MOBL	Mobile	Mobile telephone
OTHN	OtherNational	Other type of destination for action defined at national level.
OTHP	OtherPrivate	Other type of destination for action defined at private level.
PECR	PersonalComputer	Personal computer.
POFS	PointOfSale	Point of sale terminal.

44.1.28.12.5 OtherDestinationType <OthrDstnTp>

Presence: [0..1]

Definition: Other type of destination.

Datatype: "Max35Text" on page 1539

44.1.28.12.6 DestinationAddress <DstnAdr>

Presence: [0..1]

Definition: Physical destination address of the additional action to perform (for example, URL, mobile phone number, IP address, file name, etc.).

Datatype: "Max70Text" on page 1541

44.1.28.12.7 Format <Frmt>

Presence: [0..1]

Definition: Format of the message associated with the additional action to perform.

Datatype: "OutputFormat4Code" on page 1504

CodeName	Name	Definition
FLNM	FileName	File name and location identification for stored messages or data.
MREF	MessageReference	Predefined configured messages, identified by a reference.
OTHN	OtherNational	Other type of output of message defined at national level.
OTHP	OtherPrivate	Other type of output format defined at private level.
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.

44.1.28.12.8 OtherFormat <OthrFrmt>

Presence: [0..1]

Definition: Other type of format for action data.

Datatype: "Max35Text" on page 1539

44.1.28.12.9 Content <Cntt>

Presence: [0..1]

Definition: Content of or reference to the message.

Content <Cntt> contains the following **Content1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[1..1]	Text		1431
	Signature <Sgntr>	[0..1]	Binary		1431
	CertificateIdentification <CertId>	[0..1]	Text		1431

44.1.28.12.9.1 Value <Val>

Presence: [1..1]

Definition: Value of the content of or the reference to the message.

Datatype: "Max20KText" on page 1537

44.1.28.12.9.2 Signature <Sgntr>

Presence: [0..1]

Definition: Digital signature of the content of or the reference to the message.

Datatype: "Max140Binary" on page 1452

44.1.28.12.9.3 CertificateIdentification <CertId>

Presence: [0..1]

Definition: Signing certificate identification.

Datatype: "Max70Text" on page 1541

44.1.29 Tax

44.1.29.1 Tax33

Definition: Description of tax.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1431
	OtherType <OthrTp>	[0..1]	Text		1437
	Description <Desc>	[0..1]	Text		1437
	TaxExemption <TaxXmptn>	[0..1]	Indicator		1437
	TaxExemptReason <TaxXmptRsn>	[0..1]	Text		1437
	Amount <Amt>	[1..1]	Amount		1437
	Rate <Rate>	[0..1]	Rate		1437

44.1.29.1.1 Type <Tp>

Presence: [1..1]

Definition: Type of tax.

Datatype: "AddendumTaxType1Code" on page 1455

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.
OTHN	OtherNational	Other national use defined value
OTHP	OtherPrivate	Other private use defined value
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.

CodeName	Name	Definition
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 account owner is located, for which relief

CodeName	Name	Definition
		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.

44.1.29.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of tax. Describes the type of tax when Other, Other National, Other Private or Other Taxes Type is selected.

Datatype: "Max35Text" on page 1539

44.1.29.1.3 Description <Desc>

Presence: [0..1]

Definition: Description of the tax.

Datatype: "Max35Text" on page 1539

44.1.29.1.4 TaxExemption <TaxXmptn>

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 1530):

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

44.1.29.1.5 TaxExemptReason <TaxXmptRsn>

Presence: [0..1]

Definition: Reason for tax exemption.

Datatype: "Max35Text" on page 1539

44.1.29.1.6 Amount <Amt>

Presence: [1..1]

Definition: Tax amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1451

44.1.29.1.7 Rate <Rate>

Presence: [0..1]

Definition: Tax rate applied on original amount.

Datatype: "PercentageRate" on page 1532

44.1.30 Token

44.1.30.1 Token1

Definition: Unencrypted sensitive data of a token.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PaymentToken <PmtTkn>	[0..1]	Text		1438
	TokenExpiryDate <TknXpryDt>	[0..1]	Text		1438
	TokenRequestorIdentification <TknRqstrld>	[0..1]	Text		1438
	TokenAssuranceData <TknAssrncData>	[0..1]	Text		1438
	TokenAssuranceMethod <TknAssrncMtd>	[0..1]	Text		1438
	TokenInitiatedIndicator <TknInittldInd>	[0..1]	Indicator		1439

44.1.30.1.1 PaymentToken <PmtTkn>

Presence: [0..1]

Definition: Surrogate value of the PAN.

Datatype: "Max19NumericText" on page 1537

44.1.30.1.2 TokenExpiryDate <TknXpryDt>

Presence: [0..1]

Definition: Expiry date of the payment token.

ISO 8583 bit 14.

Datatype: "Exact4NumericText" on page 1534

44.1.30.1.3 TokenRequestorIdentification <TknRqstrld>

Presence: [0..1]

Definition: Identification of a party requesting a token.

Datatype: "Max11NumericText" on page 1535

44.1.30.1.4 TokenAssuranceData <TknAssrncData>

Presence: [0..1]

Definition: Supporting information for the Token Assurance Method.

Datatype: "Max140Text" on page 1536

44.1.30.1.5 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 1538

44.1.30.1.6 TokenInitiatedIndicator <TknInittndInd>

Presence: [0..1]

Definition: Original transaction was initiated by Token.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1530):

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

44.1.31 Verification

44.1.31.1 Verification1

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		1439
	OtherType <OthrTp>	[0..1]	Text		1442
	SubType <SubTp>	[0..1]	Text		1442
	VerificationInformation <VrfctnInf>	[0..*]	±		1442
	VerificationResult <VrfctnRslt>	[0..*]	±		1442

44.1.31.1.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification.

Datatype: "AuthenticationMethod11Code" on page 1471

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.
OTHN	OtherNational	Other type of verification defined at national level.
OTHP	OtherPrivate	Other type of verification defined at private level
PPSG	PaperSignature	Handwritten paper signature.
PSVE	PassiveAuthentication	Authentication based on statistical cardholder behaviour.

CodeName	Name	Definition
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.
CRYP	CryptogramVerification	Verification of a cryptogram generated by a chip card or another device, for

CodeName	Name	Definition
		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).

44.1.31.1.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of authentication or verification.

Datatype: "Max35Text" on page 1539

44.1.31.1.3 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 1539

44.1.31.1.4 VerificationInformation <VrfctnInf>

Presence: [0..*]

Definition: Contains verification or authentication data.

VerificationInformation <VrfctnInf> contains the following elements (see "[VerificationInformation1](#)" on page 1445 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1446
	Value <Val>	[0..1]			1446
{Or	TextValue <TxtVal>	[1..1]	Text		1446
Or	BinaryValue <BinryVal>	[1..1]	Binary		1446
Or	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1446
Or}	PINData <PINData>	[1..1]	±		1446
	Reason <Rsn>	[0..*]	Text		1447
	DateTime <DtTm>	[0..1]	DateTime		1447
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		1447
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		1447

44.1.31.1.5 VerificationResult <VrfctnRslt>

Presence: [0..*]

Definition: Result of verifications performed prior or after the transaction.

ISO 8583:93 bit 39

ISO 8583:2003 bit 39 & 49-72

VerificationResult <VrfctnRslt> contains the following elements (see "VerificationResult1" on page 1443 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1443
	Entity <Ntty>	[0..1]	CodeSet		1443
	OtherEntity <OthrNtty>	[0..1]	Text		1444
	Result <Rslt>	[0..1]	CodeSet		1444
	OtherResult <OthrRslt>	[0..1]	Text		1445
	ResultDetails <RsltDtls>	[0..*]			1445
	Type <Tp>	[0..1]	Text		1445
	Value <Val>	[0..1]	Text		1445

44.1.31.2 VerificationResult1

Definition: Result of verifications performed prior or after the transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1443
	Entity <Ntty>	[0..1]	CodeSet		1443
	OtherEntity <OthrNtty>	[0..1]	Text		1444
	Result <Rslt>	[0..1]	CodeSet		1444
	OtherResult <OthrRslt>	[0..1]	Text		1445
	ResultDetails <RsltDtls>	[0..*]			1445
	Type <Tp>	[0..1]	Text		1445
	Value <Val>	[0..1]	Text		1445

44.1.31.2.1 Type <Tp>

Presence: [0..1]

Definition: Type of the verification or authentication.

Datatype: "Max35Text" on page 1539

44.1.31.2.2 Entity <Ntty>

Presence: [0..1]

Definition: Entity who actually performed the verification.

ISO 8583:93 bit 22-9

Datatype: "VerificationEntity1Code" on page 1529

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.
OTHN	OtherNational	Other type of authentication entity defined at national level.
OTHP	OtherPrivate	Other type of authentication entity defined at private level.

44.1.31.2.3 OtherEntity <OthrNtty>

Presence: [0..1]

Definition: Other national or private entity in charge of the verification.

Datatype: "Max35Text" on page 1539

44.1.31.2.4 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

ISO 8583 : 2003 bit 49 dataset 72

Datatype: "Verification2Code" on page 1529

CodeName	Name	Definition
FAIL	Failed	Verification failed.
FUTA	FurtherAction	Further action required.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
OTHN	OtherNational	Other result of verification defined at national level.
OTHP	OtherPrivate	Other result of verification defined at private level.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

44.1.31.2.5 OtherResult <OthrRsIt>*Presence:* [0..1]*Definition:* Additional result of the verification, for instance for electronic commerce.*Datatype:* "Max500Text" on page 1540**44.1.31.2.6 ResultDetails <RsItDtIs>***Presence:* [0..*]*Definition:* Details of the result.**ResultDetails <RsItDtIs>** contains the following **AdditionalData1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1445
	Value <Val>	[0..1]	Text		1445

44.1.31.2.6.1 Type <Tp>*Presence:* [0..1]*Definition:* Type of information.*Datatype:* "Max35Text" on page 1539**44.1.31.2.6.2 Value <Val>***Presence:* [0..1]*Definition:* Value of a specific type of data.*Datatype:* "Max2048Text" on page 1537**44.1.31.3 VerificationInformation1***Definition:* Contains verification information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1446
	Value <Val>	[0..1]			1446
{Or	TextValue <TxtVal>	[1..1]	Text		1446
Or	BinaryValue <BinryVal>	[1..1]	Binary		1446
Or	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1446
Or}	PINData <PINData>	[1..1]	±		1446
	Reason <Rsn>	[0..*]	Text		1447
	DateTime <DtTm>	[0..1]	DateTime		1447
	ValidityEndDate <VldtyEndDt>	[0..1]	Date		1447
	ValidityEndTime <VldtyEndTm>	[0..1]	Time		1447

44.1.31.3.1 Type <Tp>

Presence: [0..1]

Definition: Type of the verification or authentication.

ISO 8583:2003 bit 34

Datatype: "Max35Text" on page 1539

44.1.31.3.2 Value <Val>

Presence: [0..1]

Definition: Value of the data to be verified or authenticated.

Value <Val> contains one of the following **VerificationValue1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	TextValue <TxtVal>	[1..1]	Text		1446
Or	BinaryValue <BinryVal>	[1..1]	Binary		1446
Or	HexadecimalBinaryValue <HexBinryVal>	[1..1]	Text		1446
Or}	PINData <PINData>	[1..1]	±		1446

44.1.31.3.2.1 TextValue <TxtVal>

Presence: [1..1]

Definition: Value of the data expressed in text form.

Datatype: "Max2048Text" on page 1537

44.1.31.3.2.2 BinaryValue <BinryVal>

Presence: [1..1]

Definition: Value of the data expressed in BASE-64 encoded binary form.

Datatype: "Max5000Binary" on page 1453

44.1.31.3.2.3 HexadecimalBinaryValue <HexBinryVal>

Presence: [1..1]

Definition: Value of the data expressed in hexadecimal encoded binary form.

Datatype: "Max9999HexBinaryText" on page 1542

44.1.31.3.2.4 PINData <PINData>

Presence: [1..1]

Definition: Personal Identification Number data.

ISO 13492 and ISO 9564-1

ISO 8583:87 bit 52 & bit 53 or bit 110

ISO 8583:93 bit 52 & bit 53 or bit 111

ISO 8583:2003 bit 52 & bit 53 or bit 50

PINData <PINData> contains the following elements (see "PINData1" on page 1240 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Control <Ctrl>	[0..1]	Text		1241
	KeySetIdentifier <KeySetIdr>	[0..1]	Text		1241
	DerivedInformation <DrvdInf>	[0..1]	Text		1241
	Algorithm <Algo>	[0..1]	Text		1242
	KeyLength <KeyLngth>	[0..1]	Text		1242
	KeyProtection <KeyPrctn>	[0..1]	Text		1242
	KeyIndex <KeyIndx>	[0..1]	Text		1242
	PINBlockFormat <PINBlckFrmt>	[1..1]	Text		1242
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	Text		1242

44.1.31.3.3 Reason <Rsn>

Presence: [0..*]

Definition: Reason to perform the verification.

Datatype: "Max35Text" on page 1539

44.1.31.3.4 DateTime <DtTm>

Presence: [0..1]

Definition: Date and time when the verification was performed.

Datatype: "ISODateTime" on page 1530

44.1.31.3.5 ValidityEndDate <VldtyEndDt>

Presence: [0..1]

Definition: Contains end date of the verification that has been performed.

Datatype: "ISODate" on page 1530

44.1.31.3.6 ValidityEndTime <VldtyEndTm>

Presence: [0..1]

Definition: Contains end time of the verification that has been performed.

Datatype: "ISOTime" on page 1543

44.1.31.4 Verification2

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		1448
	OtherType <OthrTp>	[0..1]	Text		1450
	SubType <SubTp>	[0..1]	Text		1450
	AdditionalInformation <AddtlInf>	[0..1]	Text		1451
	VerificationResult <VrfctnRslt>	[0..*]	±		1451

44.1.31.4.1 Type <Tp>

Presence: [0..1]

Definition: Type of authentication or verification.

Datatype: "AuthenticationMethod11Code" on page 1471

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.
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.

CodeName	Name	Definition
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.
OTHN	OtherNational	Other type of verification defined at national level.
OTHP	OtherPrivate	Other type of verification defined at private level
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.
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.

CodeName	Name	Definition
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.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).

44.1.31.4.2 OtherType <OthrTp>

Presence: [0..1]

Definition: Other type of authentication.

Datatype: "Max35Text" on page 1539

44.1.31.4.3 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 1539

44.1.31.4.4 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the verification.

Datatype: "Max35Text" on page 1539

44.1.31.4.5 VerificationResult <VrfctnRslt>

Presence: [0..*]

Definition: Result of verifications performed prior or after the transaction.

VerificationResult <VrfctnRslt> contains the following elements (see "VerificationResult1" on page 1443 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[0..1]	Text		1443
	Entity <Ntty>	[0..1]	CodeSet		1443
	OtherEntity <OthrNtty>	[0..1]	Text		1444
	Result <Rslt>	[0..1]	CodeSet		1444
	OtherResult <OthrRslt>	[0..1]	Text		1445
	ResultDetails <RsltDtls>	[0..*]			1445
	Type <Tp>	[0..1]	Text		1445
	Value <Val>	[0..1]	Text		1445

44.2 Message Datatypes

44.2.1 Amount

44.2.1.1 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

44.2.2 Binary

44.2.2.1 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format

minLength	1
maxLength	102400

44.2.2.2 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format

minLength	1
maxLength	140

44.2.2.3 Max2MBBinary

Definition: Binary data of 2MB maximum.

Type: Binary

Format

minLength	1
maxLength	2097152

44.2.2.4 Max3000Binary

Definition: Specifies a binary string with a maximum length of 3000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	3000

44.2.2.5 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

minLength	1
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maxLength 35

44.2.2.6 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

minLength 1
maxLength 5000

44.2.2.7 Max500Binary

Definition: Specifies a binary string with a maximum length of 500 binary bytes.

Type: Binary

Format

minLength 1
maxLength 500

44.2.2.8 Min5Max16Binary

Definition: Specifies a binary string with a minimum length of 5 bytes, and a maximum length of 16 bytes.

Type: Binary

Format

minLength 5
maxLength 16

44.2.3 CodeSet

44.2.3.1 ActionDestination1Code

Definition: Destination of action to be performed.

Type: CodeSet

CodeName	Name	Definition
FILE	File	Data file
MOBL	Mobile	Mobile telephone
OTHN	OtherNational	Other type of destination for action defined at national level.
OTHP	OtherPrivate	Other type of destination for action defined at private level.
PECR	PersonalComputer	Personal computer.

CodeName	Name	Definition
POFS	PointOfSale	Point of sale terminal.

44.2.3.2 ActionTaken1Code

Definition: Type of action taken as a disposition of a reported card payment fraud.

Type: CodeSet

CodeName	Name	Definition
ACCP	Accepted	Reported fraud was accepted
OTHN	OtherNational	Reported fraud led to actions defined at national level.
OTHP	OtherPrivate	Reported fraud led to actions defined at private level.
RJCT	Rejected	Reported fraud was rejected.
WARN	Warning	Reported fraud was accepted with warnings.

44.2.3.3 ActionType10Code

Definition: Type of additional action to be performed.

Type: CodeSet

CodeName	Name	Definition
ACTV	Activate	Activate device or service.
DEAC	Deactivate	Deactivate device or service.
DISP	DisplayMessage	Message to display, print or log.
FUPD	FileUpdate	Update a data file.
PRNT	PrintMessage	Print a message.
SNDM	SendMessage	Send a message.

44.2.3.4 ActionType11Code

Definition: Action associated with a result.

Type: CodeSet

CodeName	Name	Definition
CNTI	ContactIssuer	Contact card issuer.
CNIS	ContactIssuerSpecialConditions	Refer to card issuer's special conditions.
CNTA	ContactAcquirer	Contact acquirer.
CNAS	ContactAcquirerSecurity	Card acceptor to call acquirer's security department.
CPTR	CaptureCard	Capture the card.
CHDV	CardholderVerification	Additional verification of cardholder required.

CodeName	Name	Definition
VIPM	VIPAccountManagement	Manage account as a VIP one.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.
TRXR	ReEnterTransaction	Transaction to be re-entered.
OTHN	OtherNational	Other action defined at national level.
OTHP	OtherPrivate	Other action defined at private level
SIGN	Signature	Signature required.

44.2.3.5 ActionType8Code

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.
RQID	IdentificationRequired	Additional identification required (passport, ID card, etc.).
NDCL	NoReasonForDecline	No reason for declining the transaction.
RFRL	Referral	Referral has to be performed.
OTHN	OtherNational	Other action defined at national level.
OTHP	OtherPrivate	Other action defined at private level
STUA	StepUpAuthentication	Further authentication required (e.g. one-time password)

44.2.3.6 AddendumTaxType1Code

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 gained from the sale of a financial instrument.

CodeName	Name	Definition
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 example, 112, 911, 999) such as automatic call identification.

CodeName	Name	Definition
ENVN	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.
OTHN	OtherNational	Other national use defined value
OTHP	OtherPrivate	Other private use defined value
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.

CodeName	Name	Definition
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 account owner is located, for which relief at source and/or reclaim may be possible.

CodeName	Name	Definition
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.

44.2.3.7 AdditionalIdentificationType1Code

Definition: Contains the additional identification type, for example NAICS, etc.

Type: CodeSet

CodeName	Name	Definition
OTHP	OtherPrivate	Other Additional Identification defined at a private level.
OTHN	OtherNational	Other Additional Identification defined at a national level.
ICSN	NAICS	Contains the North American Industry Classification System (NAICS) code assigned to the card acceptor.
ATNU	AustinTetra	Contains the Austin-Tetra Number assigned to the card acceptor.

44.2.3.8 AdditionalServiceType1Code

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
OTHN	OtherNational	Other type of additional service at national level
OTHP	OtherPrivate	Other type of additional service at private level
PRST	PreStagedTransaction	Withdrawal transaction was pre-authorised by another channel (amount could be absent).

44.2.3.9 Algorithm11Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).

44.2.3.10 Algorithm13Code

Definition: Cryptographic algorithms for the protection of transported keys.

Type: CodeSet

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

44.2.3.11 Algorithm16Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).
SH31	SHA3-224	Message digest algorithm SHA3-224 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-224).
SH32	SHA3-256	Message digest algorithm SHA3-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-256).
SH33	SHA3-384	Message digest algorithm SHA3-384 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-384).
SH35	SHA3-512	Message digest algorithm SHA3-512 as defined in FIPS 202 - (ASN.1 Object Identifier: id-sha3-512).
SHK1	SHAKE128	Message digest algorithm SHAKE-128 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake128).
SHK2	SHAKE256	Message digest algorithm SHAKE-256 as defined in FIPS 202 - (ASN.1 Object Identifier: id-shake256).

44.2.3.12 Algorithm17Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.
CMA2	SHA256CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.

CodeName	Name	Definition
CM31	SHA3-256CMACWithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-256 digest of the message.
CM32	SHA3-384CMACWithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-384 digest of the message.
CM33	SHA3-512CMACWithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA3-512 digest of the message.
MCS3	SHA3-256-3DESMAC	3DES CBC-MAC with SHA3-256 (SecureHash standard) and ISO/IEC9797-1 method 2 padding.
CCA1	CMACAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
CCA2	CMACAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
CCA3	CMACAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

44.2.3.13 Algorithm18Code

Definition: Cryptographic algorithms for the protection of transported keys.

Type: CodeSet

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) algorithm, as specified in ANSI X9.24-2009 Annex A.
UKPT	UKPT	UKPT (Unique Key Per Transaction) or Master Session Key key encryption - (ASN.1 Object Identifier: id-ukpt-wrap).
UKA1	UKPTwithAES128	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
DA12	AESDUKPT128ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A, With key length of 128 bits.
DA19	AESDUKPT192ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 192 bits.
DA25	AESDUKPT256ECB	AES DUKPT (Derived Unique Key Per Transaction) ECB algorithm, as specified in ANSI X9.24-3-2017 Annex A. With key length of 256 bits.
N108	Nist800-108KeyDerivation	Key Derivation according to the Special Publication from the NIST entitled 800-108.
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).

44.2.3.14 Algorithm19Code*Definition:* Cryptographic algorithms for digital signatures.*Type:* CodeSet

CodeName	Name	Definition
ERS2	SHA256WithRSA	Signature algorithms with RSA, using SHA-256 digest algorithm - (ASN.1 Object Identifier: sha256WithRSAEncryption).
ERS1	SHA1WithRSA	The DEPRECATED Signature algorithms with RSA (PKCS #1 version 2.1), using SHA-1 digest algorithm - (ASN.1 Object Identifier: sha1WithRSAEncryption).
RPSS	RSASSA-PSS	Signature algorithm with Appendix, Probabilistic Signature Scheme (PKCS #1 version 2.1), - (ASN.1 Object Identifier: id-RSASSA-PSS).
ECC5	EllipticCryptographicCurveFifthAlgoritihm	Fifth Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC1	EllipticCryptographicCurveFirstAlgorithm	First Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC4	EllipticCryptographicCurveFourthAlgorithm	Fourth Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC2	EllipticCryptographicCurveSecondAlgorithm	Second Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ECC3	EllipticCryptographicCurveThirdAlgorithm	Third Elliptic Cryptographic Curve Algorithm identified by EMVCo Nextgen.
ERS3	SHA3-256WithRSA	Signature algorithms with RSA, using SHA3-256 digest algorithm. (ASN.1 Object Identifier: id-rsassa-pkcs1-v1-5-with-sha3-256).
ECP2	SignatureWithEllipticCurveP-256	Elliptic Curve Signature with the Curve P-256 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).
ECP3	SignatureWithEllipticCurveP-384	Elliptic Curve Signature with the Curve P-384 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).
ECP5	SignatureWithEllipticCurveP-512	Elliptic Curve Signature with the Curve P-512 as defined by the Federal Information Processing Standards (FIPS 186-4 - July, 2013 - Digital Signature Standard).

44.2.3.15 Algorithm20Code*Definition:* Identification of a digest algorithm.*Type:* CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).

44.2.3.16 Algorithm23Code

Definition: Cryptographic algorithms for encryptions with a symmetric cryptographic key.

Type: CodeSet

CodeName	Name	Definition
EA2C	AES128CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DC	DES112CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with double length key (112 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA2R	AES128CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA9R	AES192CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
EA5R	AES256CTR	AES (Advanced Encryption Standard) CTR (Counter) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
E3DR	DES112CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with double length key (112 Bit) as defined in FIPS SP 800-38a.
E36C	DES168CBC	Triple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with triple length key (168 Bit) as defined in FIPS PUB 46-3 - (ASN.1 Object Identifier: des-ede3-cbc).
E36R	DES168CTR	Triple DES (Data Encryption Standard) CTR (Counter) encryption with triple length key (168 Bit) as defined in FIPS SP 800-38a.
SD5C	SDE056CBC	The DEPRECATED Simple DES (Data Encryption Standard) CBC (Chaining Block Cypher) encryption with simple length key (56 Bit) as defined in FIPS PUB 81 - (ASN.1 Object Identifier: des-cbc).

44.2.3.17 Algorithm5Code

Definition: Cryptographic algorithms for digests.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).

44.2.3.18 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).

CodeName	Name	Definition
RSAO	RSAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

44.2.3.19 Algorithm8Code

Definition: Mask generator functions of the RSAES-OAEP encryption algorithm (RSA Encryption Scheme: Optimal Asymmetric Encryption Padding).

Type: CodeSet

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA digital signature (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-mgf1).

44.2.3.20 AttributeType1Code

Definition: Type of attribute of a distinguished name (DN).

Type: CodeSet

CodeName	Name	Definition
CNAT	CommonName	Common name of the attribute (ASN.1 Object Identifier: id-at-commonName).
LATT	Locality	Locality of the attribute (ASN.1 Object Identifier: id-at-localityName).
OATT	OrganisationName	Organization name of the attribute (ASN.1 Object Identifier: id-at-organizationName).
OUAT	OrganisationUnitName	Organization unit name of the attribute (ASN.1 Object Identifier: id-at-organizationalUnitName).
CATT	CountryName	Country name of the attribute (ASN.1 Object Identifier: id-at-countryName).

44.2.3.21 AuthenticationMethod11Code

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.

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.
OTHN	OtherNational	Other type of verification defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of verification defined at private level
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.
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.

CodeName	Name	Definition
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.
MOBL	Mobile	Customer mobile device.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).

44.2.3.22 BalanceType14Code

Definition: Type of balance.

Type: CodeSet

CodeName	Name	Definition
AMOH	AmountOnHold	Amount put on hold.
AMTO	AmountOwing	Amount of money owed
AMTD	AmountDue	Amount of money due.
CRDL	CreditLine	Credit line available.
OTHN	OtherNational	Other type of balance defined at national level
OTHP	OtherPrivate	Other type of balance defined at private level.
AVLB	Available	Balance of money or securities that is at the disposal of the account owner on the date specified.
CLRI	ClearedItem	Cleared items balance.
LDGR	Ledger	Ledger balance refers to posted transactions (e.g. limit authorisation amount - posted transactions).

44.2.3.23 BatchManagementType1Code

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).

CodeName	Name	Definition
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).
OTHN	OtherNational	Any other type of batch management transaction defined at national level.
OTHP	OtherPrivate	Any other type of batch management transaction defined at private level.
STRT	Start	Initiation of a collection or batch by the originator (used with a request message exclusively).

44.2.3.24 BytePadding1Code

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Type: CodeSet

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

44.2.3.25 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.

CodeName	Name	Definition
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.

44.2.3.26 CardDataReading7Code

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
CDFL	CardOnFile	Card information are stored on a file.
ICPY	ICCPximity	ICC contactless proximity
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
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	MSIPproximity	Magstripe image contactless proximity
OPTC	OpticalCode	Optical coded reading capabilities (e.g. barcode, QR code, etc.)
OTHN	OtherNational	Other national capability type assigned at national level.
RFID	RFIDTag	Radio Frequency Identification tag capabilities.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.
KEEN	KeyEntered	Key entered.

44.2.3.27 CardDataWriting1Code

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
MGST	MagneticStripe	Magnetic stripe.
ICCY	ICCContact	ICC contact capability
MSIP	MSIPProximity	Magstripe image contactless proximity
OTHN	OtherNational	Other national capability type assigned at national level.
UNSP	Unspecified	Unspecified capability.
OTHP	OtherPrivate	Other card reading capability assigned on a private basis.

44.2.3.28 CardDepositType1Code

Definition: Contains the type of deposit.

Type: CodeSet

CodeName	Name	Definition
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
ENVL	Envelope	Envelope
CHEC	Cheque	Cheque
CASH	Cash	Cash

44.2.3.29 CardholderVerificationCapability5Code

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).
OTHN	OtherNational	Other type of cardholder verification defined at national level

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of cardholder verification defined in a private manner.
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.

44.2.3.30 CardSecurityCapability1Code

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
OTHN	OtherNational	Other type of card defined at national level.
OTHP	OtherPrivate	Other type of card defined at private level.
OLPN	OffLinePIN	Off line PIN card

44.2.3.31 CardServiceType4Code

Definition: Type of reconciliation.

Type: CodeSet

CodeName	Name	Definition
PART	CheckPoint	Partial reconciliation of the day.
FINL	Final	Final reconciliation.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.

44.2.3.32 CardServiceType5Code

Definition: Type of key exchange.

Type: CodeSet

CodeName	Name	Definition
KYDL	DeliverKey	Convey the key to the receiver.
OTHN	OtherNational	National defined code.
OTHP	OtherPrivate	Private defined code.
DEKY	DeactivateKey	Deactivate the specified key.
RQKY	RequestKey	Request new key to be generated and conveyed.

44.2.3.33 CarRentalActivity1Code

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.
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
OTHR	Other	Other type of car rental activity.

44.2.3.34 CarRentalServiceType2Code

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.
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

CodeName	Name	Definition
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.
OTHN	OtherNational	Other National
OTHP	OtherPrivate	Other Private
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.

44.2.3.35 ClearingMethod2Code

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.
OTHN	OtherNational	Other type of clearing method defined at national level.
OTHP	OtherPrivate	Other type of clearing method defined at private level.
RLTM	RealTime	Clearing done in real time.

44.2.3.36 CompanyAssigner2Code

Definition: Party in charge of assigning an identification to a company.

Type: CodeSet

CodeName	Name	Definition
ASSO	Association	Any relevant association in charge of assigning an identification to a company.
AUTH	Authority	Legal authority assigning an identification to a company (for example, a local, regional or national authority).
CPNY	Company	Identification assigned by the company itself.
LEII	LEI	Legal Entity Identifier.
TRAG	TravelAgency	Identification assigned by a travel agency.
OTHP	OtherPrivate	Other company assigner entity defined at private level.
OTHN	OtherNational	Other company assigner entity defined at national level.

44.2.3.37 ContentType2Code

Definition: Identification of the type of a Cryptographic Message Syntax (CMS) data structure.

Type: CodeSet

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

44.2.3.38 ContentType3Code

Definition: Identification of the type of protection for a protected data.

Type: CodeSet

CodeName	Name	Definition
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).

CodeName	Name	Definition
IFSE	ISOFinancialServicesDataEncryption	General data encryption that conforms to the ISO 13492 standard.

44.2.3.39 CorporateTaxType1Code

Definition: Indicates the corporate tax identification type.

Type: CodeSet

CodeName	Name	Definition
SMBS	SmallBusiness	Small Business
OTHR	Other	Other
CORP	Corporate	Corporate

44.2.3.40 CountryCode

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 code).

Type: CodeSet

Format

pattern [A-Z]{2,2}

Constraints

- **Country**

The code is checked against the list of country names obtained from the United Nations (ISO 3166, Alpha-2 code).

44.2.3.41 CryptographicKeyType3Code

Definition: Codes for qualifying the type of cryptographic keys.

Type: CodeSet

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS

CodeName	Name	Definition
		197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).

44.2.3.42 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.

44.2.3.43 CustomerDeviceType1Code

Definition: Type of customer device.

Type: CodeSet

CodeName	Name	Definition
MOBL	Mobile	Mobile phone
OTHN	OtherNational	Other device defined at national level
OTHP	OtherPrivate	Other device defined in a private way.
PECR	PersonalComputer	Personal computer
TBLT	Tablet	Tablet
NSCR	NonSecureCardReader	Non-secure card reader attached to the customer device.
SECR	SecureCardReader	Secure card reader attached to the customer device

44.2.3.44 CustomerType2Code

Definition: Type of customer.

Type: CodeSet

CodeName	Name	Definition
CSMR	Consumer	Consumer
CPNY	Company	Company

44.2.3.45 DetailAmount1Code

Definition: Type of detail amount.

Type: CodeSet

CodeName	Name	Definition
CSHB	Cashback	Cashback amount
DONN	Donation	Donation amount
DCCF	DynamicCurrencyConversionFee	Dynamic Currency Conversion type of amount
EXTR	Extra	Extra charges (for example, minibar, etc.)
FORX	ForeignExchangeFee	Fee applicable to a foreign exchange (Forex) transaction
GRTY	Gratuity	Gratuity amount
OTHN	OtherNational	Other type of amount defined at national level
OTHP	OtherPrivate	Other type of amount defined at private level
SRCH	Surcharge	Fee charged by the acceptor for the transaction.
TAXT	Tax	Tax applicable to the transaction

44.2.3.46 DetailAmount2Code

Definition: Type of detail amount.

Type: CodeSet

CodeName	Name	Definition
OTHN	OtherNational	Other type of amount defined at national level
OTHP	OtherPrivate	Other type of amount defined at private level
SRCH	Surcharge	Fee charged by the acceptor for the transaction.

44.2.3.47 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.

44.2.3.48 EncryptionFormat2Code

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Type: CodeSet

CodeName	Name	Definition
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
I238	ISO20038KeyWrap	Format of a cryptographic key specified by the ISO20038 standard.

44.2.3.49 EncryptionFormat3Code

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Type: CodeSet

CodeName	Name	Definition
TR34	TR34	Format of a cryptographic key specified by the ANSI X9 TR-34 standard.
TR31	TR31	Format of a cryptographic key specified by the ANSI X9 TR-31 standard.
CTCE	CTCE	CTC encryption mode.
CBCE	CBC	Cipher Block Chaining mode of encryption

44.2.3.50 ExternalEncryptedElementIdentification1Code

Definition: Specifies the element that has been encrypted, as published in an external data to encrypt type code set.

External code sets can be downloaded from www.iso20022.org.

These codes have the same value as the tag assignments shown in ISO 13492 for the data encryption dataset. The codes are variable in length and conform to ISO/IEC 8825-1.

Type: CodeSet

Format

pattern ([0-9A-F][0-9A-F]){1,3}

44.2.3.51 FileActionResult1Code

Definition: File action result of processing.

Type: CodeSet

CodeName	Name	Definition
DUPR	DuplicateRecord	Identified record is already present in the file.
FERD	FieldEditError	Invalid record field syntax.
INFD	FieldValueInvalid	Invalid field value in record.
FLCK	FileLocked	File is locked and cannot be modified.
FTER	FormatError	Invalid record format.
NSUP	NotSupported	Requested file action not supported.
OTHR	Other	Other type of file action result
SUCC	Successful	Action performed successfully
UTLR	UnableToLocateRecord	Identified record was not found.
UNKF	UnknownFile	File is unknown.
USUC	Unsuccessful	Action could not be performed.

44.2.3.52 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

44.2.3.53 FileActionType1Code

Definition: Determines the type of file action service.

ISO 8583:87 bit 91; ISO 8583:93/2003 bit 24

Type: CodeSet

CodeName	Name	Definition
ADDD	Add	Add a new record or file.
DELT	Delete	Delete an existing record or file.
ENQR	Enquire	Request the content of an existing record or file.
OTHN	OtherNational	Other type of file action defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of file action defined at private level.
REPL	Replace	Add a new record or file if none exists or replace an existing record or file if one exists.
UPDT	Update	Update an existing record or file.
BRPT	BulkReplacement	Replacing previously added records.
DLSP	DeleteRecordSystemPurge	System purge.

44.2.3.54 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

44.2.3.55 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

44.2.3.56 FraudReportingAction1Code

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.
OTHN	OtherNational	Other process about a fraud already reported defined at national level.
OTHP	OtherPrivate	Other process about a fraud already reported defined at private level.
REOP	Reopen	Reopen a previously closed reported fraud case

CodeName	Name	Definition
UPDT	Update	Update information about a fraud already reported.

44.2.3.57 FraudType1Code

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.
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.
OTHN	OtherNational	Other type of fraud defined at national level.
OTHP	OtherPrivate	Other type of fraud defined at private level.
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.

44.2.3.58 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.

44.2.3.59 FundingSourceType2Code

Definition: Type of funding source used for a financial service.

Type: CodeSet

CodeName	Name	Definition
LOYL	Loyalty	Loyalty points converted into cash
OTHN	OtherNational	Other type of account defined at national level.
OTHP	OtherPrivate	Other type of account defined at private level.
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.

44.2.3.60 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.

44.2.3.61 GoodsAndServicesSubType1Code

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.
OTHN	OtherNational	Other sub type of goods and service at national level.
OTHP	OtherPrivate	Other sub type of goods and service at private level.
SECS	Securities	Sub type applied is securities.

44.2.3.62 GracePeriodUnitType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
WEKS	Weeks	Grace period weeks.
PMTS	Payments	Grace period payments.
OTHP	OtherPrivate	Other Private Grace period.
OTHN	OtherNational	Other National Grace period.
MNTH	Months	Grace period months.
DAYS	Days	Grace period days.

44.2.3.63 Identification2Code

Definition: Identification of an individual.

Type: CodeSet

CodeName	Name	Definition
DRID	DriverLicenceIdentification	Driver licence identification.
NTID	NationalIdentifier	National identification.

CodeName	Name	Definition
PASS	PassportNumber	Passport number.
SSYN	SocialSecurityNumber	Social security number.
ARNB	AlienRegistrationNumber	Alien registration number.
OTHP	OtherPrivate	Other identification provided at private level.
OTHN	OtherNational	Other identification assigned at national level.
EMAL	Email	E-mail.
PHNB	PhoneNumber	Phone number.

44.2.3.64 InstalmentAmountDetailsType1Code

Definition: Contains the details of the grace period applicable to the instalment.

Type: CodeSet

CodeName	Name	Definition
TAXX	Tax	Instalment amount tax
RQST	Requested	Requested amount
OTHP	OtherPrivate	Grace period unit type
OTHN	OtherNational	Grace period unit type
OTHC	OtherCharges	Other amounts
INSU	Insurance	Insurance amount
FUNA	Funded	Funded amount
FEES	Fees	Fees amount
EXPN	Expense	Expense Amount
AFCO	AnnualFinancingCost	Total financing cost per annum.

44.2.3.65 InstalmentPeriod1Code

Definition: Instalment period.

Type: CodeSet

CodeName	Name	Definition
MNTH	Monthly	Monthly instalment period.
ANNU	Annual	Annual instalment period.

44.2.3.66 InterestRate1Code

Definition: Contains the list of interest rates.

Type: CodeSet

CodeName	Name	Definition
GSRT	GrossRate	Gross interest rate of the instalment

CodeName	Name	Definition
NTRT	NetRate	Net interest rate of the instalment
OTHN	OtherNational	Other interest rate of the instalment
OTHP	OtherPrivate	Other interest rate of the instalment

44.2.3.67 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}

44.2.3.68 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}

44.2.3.69 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

44.2.3.70 JourneyType1Code

Definition: Type of journey related to a car rental reservation.

Type: CodeSet

CodeName	Name	Definition
COAC	CoachNumber	Coach number

CodeName	Name	Definition
EARL	Early	Early arrival or departure
FLGT	FlightNumber	Flight number.
LATE	Late	Late arrival or departure.
ONTM	OnTime	On-time arrival or departure
OTHR	Other	Other type of journey.
TRAN	TrainNumber	Train number.
VESS	VesselNumber	Vessel number

44.2.3.71 KeyType1Code

Definition: Contains the list of key types that may be exchanged.

Type: CodeSet

CodeName	Name	Definition
OTHN	OtherNational	Other national
OTHP	OtherPrivate	Other private
PTKA	PINtranslationKeyAcquirer	PIN translation key applicable to the acquirer
PTKI	PINtranslationKeyIssuer	PIN translation key applicable to the issuer

44.2.3.72 KeyUsage1Code

Definition: Allowed usages of the key.

Type: CodeSet

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.
DENC	DataEncryption	Key may encrypt data.
DDEC	DataDecryption	Key may decrypt data.
TRNI	TranslateInput	Key may encrypt information before translation.
TRNX	TranslateOutput	Key may encrypt information after translation.
MACG	MessageAuthenticationCodeGeneration	Key may generate message authentication codes (MAC).
MACV	MessageAuthenticationCodeVerification	Key may verify message authentication codes (MAC).
SIGG	SignatureGeneration	Key may generate digital signatures.
SUGV	SignatureVerification	Key may verify digital signatures.
PINE	PINEncryption	Key may encrypt personal identification numbers (PIN).

CodeName	Name	Definition
PIND	PINDecryption	Key may decrypt personal identification numbers (PIN).
PINV	PINVerification	Key may verify personal identification numbers (PIN).
KEYG	KeyGeneration	Key may generate keys.
KEYI	KeyImport	Key may import keys.
KEYX	KeyExport	Key may export keys.
KEYD	KeyDerivation	Key may derive keys.

44.2.3.73 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**
Must be a valid terrestrial language.

44.2.3.74 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.

44.2.3.75 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.

44.2.3.76 LocationAmenity1Code

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
MRLA	MarinaLocationsAvailable	Marina locations available
OTHN	OtherNational	Other amenities defined at the national level.
OTHP	OtherPrivate	Other amenities defined at the private level.
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

44.2.3.77 LodgingActivity1Code

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.

CodeName	Name	Definition
OTHN	OtherNational	Other type of lodging defined at national level.
OTHP	OtherPrivate	Other type of lodging defined at private level.
RESO	Resort	Resort or related lodging.
ROAB	RoomAndBoard	Room and board or related lodging.
TOSH	TouristShelter	Tourist shelter and related lodging.

44.2.3.78 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.
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.

CodeName	Name	Definition
THRD	ThirdParty	Third-party lodging service.
TRAN	Transportation	Transportation lodging service.
VODS	VideoOnDemand	Video on demand lodging service.

44.2.3.79 LoyaltyValueType1Code

Definition: Type of value used for a loyalty programme.

Type: CodeSet

CodeName	Name	Definition
MILE	Miles	Value expressed in miles.
MONE	Monetary	Value expressed in monetary units.
OTHR	Other	Value expressed in any other type of loyalty value.
POIN	Points	Value expressed in points.
PRIV	PrivateCurrency	Value expressed in a private currency.

44.2.3.80 MemoryUnit1Code

Definition: Unit of the memory size.

Type: CodeSet

CodeName	Name	Definition
BYTE	Byte	Byte.
EXAB	ExaByte	Exa byte.
GIGA	GigaByte	Giga byte.
KILO	KiloByte	Kilo byte.
MEGA	MegaByte	Mega byte.
PETA	PetaByte	Peta byte.
TERA	TeraByte	Tera byte.

44.2.3.81 MessageClass1Code

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.

CodeName	Name	Definition
FEEC	FeeCollection	Fee collection class of messages.
FINL	Financial	Financial class of messages.
INQY	Inquiry	Inquiry class of messages.
VERI	Verification	Verification class of messages.

44.2.3.82 MessageError1Code

Definition: Code list containing a code that identifies the error condition.

Type: CodeSet

CodeName	Name	Definition
IDEF	InvalidDataElementFormat	Invalid data element format
IDEL	InvalidDataElementLength	Invalid data element length
IDEV	InvalidDataElementValue	Invalid data element value
INME	InvalidMessage	Invalid message
INMF	InvalidMessageFunction	Invalid Message Function
MEPE	MessageParseError	Message Parse Error
OTHP	OtherPrivate	Other reason to reject a message defined at private level.
PRVE	ProtocolVersion	Protocol Version
RDEM	RequiredDataElementMissing	Required data element missing
SECU	Security	Security
UDFD	Undefined	Error that is not defined in the Message type Error and is not OtherNational or OtherPrivate Error
OTHN	OtherNational	Other reason defined at national level to reject a message.
ITDE	IterativeDataError	Iterative data error
DUME	DuplicateMessage	Duplicate Message
IDWM	InconsistentDataWithinMessage	Inconsistent data within message
IDRM	InconsistentDataWithRelatedMessage	Inconsistent data with related message
IBAT	InvalidBatch	Invalid Batch
ICOL	InvalidCollection	Invalid Collection

44.2.3.83 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.

44.2.3.84 MessageFunction17Code

Definition: Identifies the type of process related to the reconciliation of financial totals.

ISO 8583 MTI

Type: CodeSet

CodeName	Name	Definition
NOTI	Notification	Information about the transaction.
REQU	Request	Message function is a request.
ADVC	Advice	Advice indicates where the sender informs the receiver of an activity that has been taken that requires a response.

44.2.3.85 MessageFunction18Code

Definition: Identifies the type of process related to a batch management.

ISO 8583 MTI

Type: CodeSet

CodeName	Name	Definition
BTRQ	BatchRequest	Request to initiate the transfer of a batch (response expected).
BTNF	BatchNotification	Notification to initiate the transfer of a batch (no response expected).
CLNF	CollectionNotification	Notification to initiate the transfer of a collection (no response expected).
CLRQ	CollectionRequest	Request to initiate the transfer of a collection (response expected).

44.2.3.86 MessageFunction20Code

Definition: Identifies the type of chargeback process related to the 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.
REQU	Request	Message function is a request.
RVRA	ReversalAdvice	Advice for reversal without financial capture.
RVNO	ReversalNotification	Notification of reversal for either an authorisation or a financial message (response not expected).
STAD	StatusAdvice	Advice about the status of a transaction.
STNO	StatusNotification	Notification about the status of a transaction.

44.2.3.87 MessageFunction23Code

Definition: Identifies messages related to a network management process.

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.
REQU	Request	Message function is a request.

44.2.3.88 MessageFunction25Code

Definition: Identifies messages related to a key exchange process.

ISO 8583 MTI.

Type: CodeSet

CodeName	Name	Definition
REQU	Request	Message function is a request.

44.2.3.89 MessageFunction27Code

Definition: Information related to the protocol management.

ISO 8583 MTI.

Type: CodeSet

CodeName	Name	Definition
NOTI	Notification	Information about the transaction.

44.2.3.90 MessageFunction29Code

Definition: Identifies the type of process related to the message.

Fee collection header.

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.

44.2.3.91 MessageFunction37Code

Definition: Identifies messages related to a retrieval request process.

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.
REQU	Request	Message function is a request.
STNO	StatusNotification	Notification about the status of a transaction.
STRQ	StatusRequest	Message function is a status request.
STAD	StatusAdvice	Advice about the status of a transaction.

44.2.3.92 MessageFunction39Code

Definition: Identifies the type of process related to the message.

Type: CodeSet

CodeName	Name	Definition
RENO	RejectNotification	Notification of a rejected message.
ERNO	ErrorNotification	Notification of a message containing errors.

44.2.3.93 MessageReason2Code

Definition: Reason to send the message.

ISO 8583:93/2003 bit 25.

Type: CodeSet

CodeName	Name	Definition
ASTD	AcquirerStandin	Stand-in processing at the acquirer's option.
FLRL	FloorLimit	Transaction above or under the floor limit.
COFF	CardProcessed	Transaction performed offline by the card.
ASPC	CardAcceptorSuspicious	Card acceptor forced to be online.
CUNB	CardUnableToProcess	Card cannot process offline the transaction.
CRND	CardRandomSelection	Random online decided by the card.
FORC	OnlineForced	Forced online by card acceptor, terminal, card, or the issuer.
ISGN	IssuerSignedOff	Issuer signed off.
ITIM	IssuerTimeout	Issuer timed out on request.
IUNV	IssuerUnavailable	Issuer unavailable.
OTHN	OtherNational	Other national type of reason.
OTHP	OtherPrivate	Other private type of reason.
TRND	TerminalRandomSelection	Random online decided by the terminal.
TUNB	TerminalUnableToProcess	Terminal cannot process offline the transaction.
RSTD	ReceiverStandin	Stand-in processing at the receiver's option.
RTIM	ReceiverTimeout	Receiver timed out on request.
RSGN	ReceiverSignedOff	Receiver signed off.
RUNV	ReceiverUnavailable	Receiver unavailable.
TOFF	TerminalProcessed	Transaction performed offline by the terminal.

44.2.3.94 NetworkManagementType1Code

Definition: Type of network management service.

ISO 8583 bit 24.

Type: CodeSet

CodeName	Name	Definition
ECTS	EchoTest	Detects whether communication at application level is still active.
ESFW	EnableStoreAndForward	Enable receipt of store and forward advice and notification messages.
OTHN	OtherNational	Other type of communication management service defined at national level.

CodeName	Name	Definition
OTHP	OtherPrivate	Other type of network management service defined at private level.
SGNF	SignOff	Terminate communication at application level.
SGNN	SignOn	Establish communication at application level.
DSFW	DisableStoreAndForward	Disable receipt of store and forward advice and notification messages.
TSUN	TargetSystemUnavailable	System condition/target system unavailable
MOSB	MessageOriginatorSystemInBackup	System condition/message originator's system in backup.
SPIN	SpecialInstruction	System condition/special instruction
IART	InitiateAlternateRouting	System condition/initiate alternate routing
SYCL	SynchronizeClock	Clock synchronization
DRBI	DisableRecurringBilling	Disable the receipt of recurring billing.
ERBI	EnableRecurringBilling	Enable the receipt of recurring billing.

44.2.3.95 OfficialDocumentType1Code

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.
INTE	Internal	Internal travel document.
INPO	Interpol	Interpol-issued travel or related document
LZPR	Laissezpasser	Emergency travel or related document.
OTHN	OtherNational	Other type of official document defined at national level.
OTHP	OtherPrivate	Other type of official document defined at private level.
PASS	Passport	Passport.

CodeName	Name	Definition
VISA	PassportVisa	Visa issued by a government or related authority.
PERM	Permit	Permit.
REFU	Refugee	Travel or related document issued to refugees.

44.2.3.96 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

44.2.3.97 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.

44.2.3.98 OutputFormat4Code

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.
OTHN	OtherNational	Other type of output of message defined at national level.
OTHP	OtherPrivate	Other type of output format defined at private level.
SMSI	ShortMessageService	Short message service
TEXT	SimpleText	Text without format attributes.
URLI	UniformResourceLocator	Uniform Resource Locator (URL) reference for the message.

CodeName	Name	Definition
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

44.2.3.99 PartyType17Code

Definition: Type of role assigned.

Type: CodeSet

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
ACQR	Acquirer	Entity acquiring card transactions.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.2.3.100 PartyType18Code

Definition: Type of role assigned.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.2.3.101 PartyType19Code

Definition: Type of entity involved in a card payment transaction.

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.
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.2.3.102 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.

44.2.3.103 PartyType21Code

Definition: Contains destination party type.

Type: CodeSet

CodeName	Name	Definition
ACCP	Acceptor	Card acceptor, party accepting the card and presenting transaction data to the acquirer.
CRDH	Cardholder	Holder of a payment card.

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.2.3.104 PartyType22Code

Definition: Recipient of the additional information.

Type: CodeSet

CodeName	Name	Definition
CRDH	Cardholder	Holder of a payment card.
MERC	Merchant	Merchant providing goods and service in the card payment transaction.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.

44.2.3.105 PartyType23Code

Definition: Party in charge of clearing payment or related transactions.

Type: CodeSet

CodeName	Name	Definition
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level
CLRA	ClearingAgent	Agent in charge of clearing payment or related transactions.

44.2.3.106 PartyType25Code

Definition: Type of entity submitting a card fraud report.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.

CodeName	Name	Definition
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.2.3.107 PartyType26Code

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.
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.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.2.3.108 PartyType28Code

Definition: Type of entity involved in a card payment transaction.

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.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
OTHN	OtherNational	Other card payment entity type defined at national level

CodeName	Name	Definition
OTHP	OtherPrivate	Other card payment entity type defined at private level
WLPR	WalletProvider	Provider of an electronic wallet
ISUR	Issuer	Issuer is the entitled party.

44.2.3.109 PartyType32Code

Definition: Type of party.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
AGNT	Agent	Entity providing card payment processing services acting as an intermediary between an acquirer and an issuer.
ISUR	Issuer	Issuer is the entitled party.
OTHN	OtherNational	Other card payment entity type defined at national level
OTHP	OtherPrivate	Other card payment entity type defined at private level

44.2.3.110 PartyType7Code

Definition: Party that communicate with a POI component (Point of Interaction), using a communication device.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
PCPT	POIComponent	Party component of a POI system or POI terminal (Point of Interaction).
TMGT	TerminalManager	Responsible for one or several maintenance functions of a card payment acceptance terminal.
SALE	SaleSystem	Party selling goods and services.

44.2.3.111 PartyType9Code

Definition: Type of entity.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.

CodeName	Name	Definition
ACQP	AcquirerProcessor	Entity providing acquiring card payment processing services on behalf on an acquirer.
CISS	CardIssuer	Party that issues cards.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
CSCH	CardScheme	Entity defining rules and procedures for card payment transactions acting as an intermediary between an acquirer and an issuer.
SCHP	CardSchemeProcessor	Entity providing card payment processing services acting on behalf of a card scheme.

44.2.3.112 PeriodUnit2Code

Definition: Time expressed in period units.

Type: CodeSet

CodeName	Name	Definition
HOUR	Hours	Period unit expressed in hours.
HFDA	HalfDays	Half days
DAYS	Days	Counted in days.
WEEK	Weeks	Counted in weeks.
MNTH	Months	Counted in months.
YEAR	Years	Counted in years.
MINU	Minutes	Period unit expressed in minutes
OTHR	Other	Counted in some other unit.

44.2.3.113 PeriodUnit3Code

Definition: Type of period unit to be used.

Type: CodeSet

CodeName	Name	Definition
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
MNTH	Months	Counted in months.
WEEK	Weeks	Counted in weeks.
YEAR	Years	Counted in years.
DAYS	Days	Counted in days.
EXDY	ExtraDays	Extra Days

44.2.3.114 PlanOwner1Code

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.
OTHN	OtherNational	plan owner type is other national.
OTHP	OtherPrivate	plan owner type is other private.

44.2.3.115 POICommunicationType2Code

Definition: Low level communication of the hardware or software component toward another component or an external entity.

Type: CodeSet

CodeName	Name	Definition
BLTH	Bluetooth	Communication with a host using Bluetooth.
ETHR	Ethernet	Ethernet port to communicate.
GPRS	GPRS	Communication with a host using GPRS.
GSMF	GSM	Communication with a host using GSM.
PSTN	PSTN	Communication with a host using Public Switching Telephone Network.
RS23	RS232	Serial port to communicate.
USBD	USBDevice	Communication with a USB stick or any USB device.
USBH	USBHost	Communication with a host from an USB port.
WIFI	Wifi	Wifi communication with another component.
WT2G	WirelessTechnology2G	Includes all communication technologies which can be qualified as being part of the 2G technology (e.g EDGE or PDC).
WT3G	WirelessTechnology3G	Includes all communication technologies which can be qualified as being part of the 3G technology.
WT4G	WirelessTechnology4G	Includes all communication technologies which can be qualified as being part of the 4G technology.
WT5G	WirelessTechnology5G	Includes all communication technologies which can be qualified as being part of the 5G technology.

44.2.3.116 POIComponentAssessment1Code

Definition: Type of assessment of a POI component (Point of Interaction).

Type: CodeSet

CodeName	Name	Definition
APPL	Approval	Approval number delivered by an approval centre.
CERT	Certification	Certification number delivered by a certification body.
EVAL	Evaluation	Evaluation by a lab or a tool.

44.2.3.117 POIComponentStatus1Code

Definition: Status of a component belonging to a POI Terminal (Point of Interaction).

Type: CodeSet

CodeName	Name	Definition
WAIT	WaitingActivation	Component not yet activated.
OUTD	OutOfOrder	Component not working properly.
OPER	InOperation	Component activated and in operation.
DACT	Deactivated	Component has been deactivated.

44.2.3.118 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.
APLI	PaymentApplication	Payment application software.
EMVK	EMVKernel	EMV application kernel (EMV is the chip card specifications initially defined by Eurocard, Mastercard and Visa).

CodeName	Name	Definition
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.

44.2.3.119 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.

44.2.3.120 Priority3Code

Definition: Specifies the priority level of an event.

Type: CodeSet

CodeName	Name	Definition
URGT	Urgent	Priority level is urgent (highest priority possible).
HIGH	High	Priority level is high.
NORM	Normal	Priority level is normal.

44.2.3.121 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
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

44.2.3.122 PurchaseIdentifierType1Code

Definition: Identifies the type of identifier used in the Purchase Identifier field.

Type: CodeSet

CodeName	Name	Definition
CONU	ContractNumber	Contract Number
CUOR	CustomerOrder	Customer Order
CUPO	CustomerPurchaseOrder	Customer Purchase Order
FONU	FolioNumber	Folio Number
INNU	InvoiceNumber	Invoice Number
ORNU	OrderNumber	Order Number
OTHN	OtherNational	Other Purchase Identifier defined at a national level.
OTHP	OtherPrivate	Other Purchase Identifier defined at a private level.
PRNU	PaymentReferenceNumber	Payment Reference Number
PUID	PurchaseIdentification	Purchase Identification
RELO	RecordLocator	Record Locator
REAG	RentalAgreement	Rental Agreement
RENU	RentalNumber	Rental Number
RSNU	ReservationNumber	Reservation Number
SUOR	SupplierOrder	Supplier Order

CodeName	Name	Definition
TINU	TicketNumber	Ticket Number
TRNU	TrackingNumber	Tracking Number
SUIN	SupplierInvoice	Supplier Invoice
TNID	TransactionIdentification	Transaction Identification is a proprietary value provided by the card acceptor or acquirer to uniquely identify a given transaction.

44.2.3.123 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.

44.2.3.124 ReconciliationCategory1Code

Definition: Contains the reconciliation category.

Type: CodeSet

CodeName	Name	Definition
RVSL	Reversal	Reconciliation category is reversal.
OTHP	OtherPrivate	Reconciliation category is other private
OTHN	OtherNational	Reconciliation category is other national.
FNCL	Financial	Reconciliation category is financial.
CGBK	Chargeback	Reconciliation category is a chargeback.

44.2.3.125 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

44.2.3.126 ReconciliationImpact1Code

Definition: Reconciliation credit or debit indicator.

Type: CodeSet

CodeName	Name	Definition
DEBT	Debit	Debit category
CRDT	Credit	Credit category

44.2.3.127 ReconciliationMessageType1Code

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
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

CodeName	Name	Definition
RTRR	RetrievalRequest	Retrieval Request
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
BAMI	BatchManagementInitiation	Batch Management Initiation
BAMR	BatchManagementResponse	Batch Management Response
BATI	BatchTransferInitiation	Batch Transfer Initiation
ADDI	AddendumInitiation	Addendum initiation
ADDR	AddendumResponse	Addendum response

44.2.3.128 Response10Code

Definition: Response codes for verification

Type: CodeSet

CodeName	Name	Definition
INPS	InProgress	Request is still in progress.
UNRV	UnderReview	Service is under review.
OTHP	OtherPrivate	Other type of processing result defined at private level.
OTHN	OtherNational	Other type of processing result defined at national level.
FAIL	Failure	Processing of the request fails for various reasons. Some further processing according to the type of requested service, the context of the process, and some additional precision about the failure notified in the ErrorCondition data element.
SUCC	Success	Processing OK. Information related to the result of the processing is contained in other parts of the response message.

44.2.3.129 Response6Code

Definition: Result of processing for a transaction.

Type: CodeSet

CodeName	Name	Definition
UNPR	NotProcessed	Advice message could not be processed.
PPRC	PartiallyProcessed	Processing of the service has been partially performed.
PRCS	Processed	Advice message is processed.
REJT	Rejected	Service was rejected.
OTHP	OtherPrivate	Other type of processing result defined at private level.
OTHN	OtherNational	Other type of processing result defined at national level.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).
UNRV	UnderReview	Service is under review.

44.2.3.130 Response8Code

Definition: Response codes.

Type: CodeSet

CodeName	Name	Definition
PRCS	Processed	Advice message is processed.
UNPR	NotProcessed	Advice message could not be processed.
UNRV	UnderReview	Service is under review.
REJT	Rejected	Service was rejected.
TECH	TechnicalError	Service cannot be provided for technical reason (eg timeout contacting the Issuer, security problem).
OTHN	OtherNational	Other type of processing result defined at national level.
OTHP	OtherPrivate	Other type of processing result defined at private level.

44.2.3.131 SecurityCharacteristics1Code

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.
CPTC	CardholderPointToPointEncryption	Encryption initiated by the cardholder to secure point-to-point communication channel.

CodeName	Name	Definition
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.
OTHN	OtherNational	Other security characteristics defined at national level
OTHP	OtherPrivate	Other security characteristics defined at private level

44.2.3.132 SettlementReportType1Code

Definition: Type of settlement report

Type: CodeSet

CodeName	Name	Definition
FIPO	FinalPosition	Final settlement position.
OTHN	OtherNational	Other type of settlement report defined at national level.
OTHP	OtherPrivate	Other settlement report defined at private level.
INPO	InterimPosition	Interim settlement position.

44.2.3.133 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

44.2.3.134 TelephonyCallType1Code

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
OTHP	OtherPrivate	Other private
OTHN	OtherNational	Other national
OTCL	Other	Other type of call not elsewhere classified.
ICPC	IncomingCall	Incoming phone call

44.2.3.135 TemporaryServicesCharge1Code

Definition: Charge types for temporary services

Type: CodeSet

CodeName	Name	Definition
WKND	Weekend	Weekend
REGL	Regular	Regular
OVRT	Overtime	Overtime
OTHP	OtherPrivate	Other Private
OTHN	OtherNational	Other National
ONCL	OnCall	On call
NITE	Night	Night

CodeName	Name	Definition
HOLI	Holiday	Holiday
HAZD	Hazard	Hazard

44.2.3.136 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.

44.2.3.137 TerminalType1Code

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
OTHN	OtherNational	Other type defined at national level
OTHP	OtherPrivate	Other private type of terminal.
POST	POS	Point of Sale terminal.

44.2.3.138 TimeSegment1Code

Definition: Time period of the day.

Type: CodeSet

CodeName	Name	Definition
AMBN	AM	Ante meridiem or before noon time period.
PMAN	PM	Post meridiem or after noon time period.

44.2.3.139 TransactionAttribute1Code

Definition: Attribute of the transaction.

Type: CodeSet

CodeName	Name	Definition
AGGR	Aggregation	Payment is an aggregation one.

CodeName	Name	Definition
CADB	CardlessATMCashDisbursement	Withdrawal is a cardless cash disbursement one.
DBRP	DebtRepayment	Payment is a debt repayment one.
DFRD	DeferredPayment	Payment is a deferred one.
INST	Instalment	Payment is an instalment one.
OTHN	OtherNational	Attribute defined at national level.
OTHP	OtherPrivate	Attribute defined at private level
RCPT	RecurringPayment	An occurrence of a recurring payment..
TPUP	TopUp	Service to replenish value in an account (for example, mobile account, prepaid account, etc.).
PPYT	PrePayment	Payment in advance of receiving goods or services.
INCR	Incremental	To authorise additional amounts for a previously authorised transaction.
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.
SUBR	SubsequentRecurring	Subsequent occurrence of a recurring payment.
FRCP	FirstRecurring	First occurrence of a recurring payment.
CPLT	Completion	Transaction previously initiated is completed and contains the actual amount.

44.2.3.140 TransactionInitiator1Code

Definition: Identifies the transaction initiator.

Type: CodeSet

CodeName	Name	Definition
MERC	Merchant	Merchant initiated transaction.
CUST	Customer	Customer initiated transaction.

44.2.3.141 TransportType1Code

Definition: Contains the transportation type code list

Type: CodeSet

CodeName	Name	Definition
AIRR	Air	Air
BUSS	Bus	Bus

CodeName	Name	Definition
OTHN	OtherNational	Other National
OTHP	OtherPrivate	Other Private
RAIL	Rail	Rail
SHIP	Ship	Ship

44.2.3.142 TypeOfAmount10Code

Definition: Type or class of amount.

Type: CodeSet

CodeName	Name	Definition
INTC	InterchangeFee	Interchange fee.
FEEP	ProcessingFees	Processing fees.
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
FEEA	InternationalServiceAssessmentFees	International service assessment fees.

44.2.3.143 TypeOfAmount11Code

Definition: Qualifies the amount of the transaction.

Type: CodeSet

CodeName	Name	Definition
ACTL	Actual	Actual amount.
DFLT	Default	Default 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).
RESA	Reserved	Reserved or updated reserved amount for reservation.
PRXY	Proxy	Substitute for an amount to be authorised.
DPST	Deposit	Deposit amount.

44.2.3.144 TypeOfAmount12Code

Definition: Type of amount.

Type: CodeSet

CodeName	Name	Definition
AMTH	AuthorisedAmount	Transaction amount that has been authorised.

CodeName	Name	Definition
DCNT	Discount	Discount, rebate or voucher, related to loyalty programs. This amount is counted as a negative amount.
ISCF	IssuerCardholderFee	Fee applied by the card issuer to the cardholder.
CUAT	Cumulative	Contains the total amount of all authorisations related to the same cardholder purchase activities. Example: total of all incremental or splitted shipment authorisations for the same purchase.
MAXI	Maximum	Maximum amount (the final amount must be less or equal).
AMTX	MaximumAllowedAmount	Maximum amount allowed for the transaction in the transaction amount currency if the transaction amount of the request was declined.
AMTN	MinimumAllowedAmount	Minimum amount allowed in the TransactionAmount currency if the transaction amount of the request was declined.
AMTQ	RequestedAmount	Transaction amount that has been requested to be authorised.
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
RQCH	RequestedCashback	Requested cashback amount
ANTA	Anticipated	Amount anticipated for the transaction
PDCC	PreDCC	Local amount before DCC (Dynamic Currency Conversion) was applied.

44.2.3.145 TypeOfAmount17Code

Definition: Type of amount

Type: CodeSet

CodeName	Name	Definition
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
ISCF	IssuerCardholderFee	Fee applied by the card issuer to the cardholder.
ANTA	Anticipated	Amount anticipated for the transaction

44.2.3.146 TypeOfAmount18Code

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
CHTC	ChargedToCard	Amount that has been charged to card account
DATA	Data	Data communication related charges
EXTK	ExchangeTicket	Fee for exchanging a ticket (modifying an itinerary)
EXTR	Extra	Extra charges (for example, minibar, etc.)
FARE	Fare	Amount of fare
INSU	Insurance	Insurance charges
FDBV	FoodBeverage	Amount of food and beverages
MISC	Miscellaneous	Miscellaneous charges not elsewhere defined
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
PHNE	Phone	Phone charges
PRPY	Prepayment	Amount of prepayment
TOTL	Total	Total amount of charges
EXTF	ExchangeTicketFee	Fee for exchanging a ticket (modifying an itinerary)

44.2.3.147 TypeOfAmount19Code

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
OTHN	OtherNational	Other type of amount defined at national level.
OTHP	OtherPrivate	Other type of amount defined at private level.
USGE	Usage	Telephone usage-related charge

44.2.3.148 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.

44.2.3.149 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.
GBOU	GBOunce	Unit of weight equal to a sixteenth of a pound.
USOU	USOunce	Unit of weight equal to a sixteenth of a pound.

CodeName	Name	Definition
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.

44.2.3.150 UserInterface1Code

Definition: Type of user interface to display or print information.

Type: CodeSet

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.

44.2.3.151 UserInterface6Code

Definition: Interface for the destination of a message.

Type: CodeSet

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
MDSP	MerchantDisplay	Merchant display or interface.
MRCP	MerchantReceipt	Merchant receipt.
CRDO	OtherCardholderInterface	Other interface of the cardholder, for instance e-mail or smartphone message.
FILE	File	File used to store the message.
CHAP	CardholderApplication	Information dedicated to a software application related to a device belonging to the cardholder.
MRAP	MerchantApplication	Information dedicated to a software application related to a device belonging to the merchant.
MRIN	OtherMerchantInterface	Other interface of the merchant for instance e-mail or smartphone message.

44.2.3.152 UserInterface7Code

Definition: Clearing agent dedicated interface.

Type: CodeSet

CodeName	Name	Definition
OCAI	OtherClearingAgentInterface	Data dedicated to another interface maintained by the clearing agent.
CLRL	ClearingAgentLog	Data dedicated to a log maintained by the clearing agent.
CLRA	ClearingAgentApplication	Data dedicated to an application maintained by a clearing agent.

44.2.3.153 UserInterface8Code

Definition: User interface used in case of chargebacks.

Type: CodeSet

CodeName	Name	Definition
DSPU	Dispute	Interface used in case of disputes or chargebacks.
FILE	File	File used to store the message.
LOGF	Log	Information dedicated to a log file.
OTHP	OtherPrivate	Other type of interface defined at private level.

CodeName	Name	Definition
OTHN	OtherNational	Other type of interface defined at national level.

44.2.3.154 Verification2Code

Definition: Result of the verification process.

Type: CodeSet

CodeName	Name	Definition
FAIL	Failed	Verification failed.
FUTA	FurtherAction	Further action required.
MISS	Missing	Information required to perform the verification was missing.
NOVF	NotPerformed	Verification has not been performed.
OTHN	OtherNational	Other result of verification defined at national level.
OTHP	OtherPrivate	Other result of verification defined at private level.
PART	PartialMatch	Verification was partially successful.
SUCC	Successful	Verification was successful.
ERRR	TechnicalError	Device or entity to perform the verification was unavailable.

44.2.3.155 VerificationEntity1Code

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.
OTHN	OtherNational	Other type of authentication entity defined at national level.
OTHP	OtherPrivate	Other type of authentication entity defined at private level.

44.2.4 Date

44.2.4.1 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.

Type: Date

44.2.5 DateTime

44.2.5.1 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

44.2.6 Indicator

44.2.6.1 PlusOrMinusIndicator

Definition: Indicates a positive or negative value.

Type: Indicator

Meaning When True: Plus

Meaning When False: Minus

44.2.6.2 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

44.2.6.3 YesNoIndicator

Definition: Indicates a "Yes" or "No" type of answer for an element.

Type: Indicator

Meaning When True: Yes

Meaning When False: No

44.2.7 Quantity

44.2.7.1 DecimalNumber

Definition: Number of objects represented as a decimal number, for example 0.75 or 45.6.

Type: Quantity

Format

totalDigits	18
fractionDigits	17

44.2.7.2 Max10NumberFraction2

Definition: Number of objects represented as a decimal number, for example, 0.75 or 45.6.

Type: Quantity

Format

totalDigits	10
fractionDigits	2

44.2.7.3 Max1Number

Definition: Number (max 9) of objects represented as an integer.

Type: Quantity

Format

totalDigits	1
fractionDigits	0

44.2.7.4 Max6NumberFraction2

Definition: Number of objects represented as a decimal number, for example, 1234.75 or 0.06

Type: Quantity

Format

totalDigits	6
fractionDigits	2

44.2.7.5 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

totalDigits	18
fractionDigits	0

44.2.8 Rate

44.2.8.1 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

44.2.8.2 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

44.2.9 Text

44.2.9.1 Exact12Text

Definition: Specifies a character string with an exact length of 10 characters.

Type: Text

Format

length	12
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44.2.9.2 Exact15Text

Definition: Specifies a character string with an exact length of 15 characters.

Type: Text

Format

length 15

44.2.9.3 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}

44.2.9.4 Exact1NumericText

Definition: Specifies a numeric string with an exact length of 1 digit.

Type: Text

Format

pattern [0-9]

44.2.9.5 Exact2AlphaNumericText

Definition: Specifies an alphanumeric string with an exact length of 2 characters.

Type: Text

Format

pattern [a-zA-Z0-9]{2}

44.2.9.6 Exact2NumericText

Definition: Specifies a numeric string with an exact length of 2 digits.

Type: Text

Format

pattern [0-9]{2}

44.2.9.7 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

pattern	[0-9]{3}
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44.2.9.8 Exact4NumericText

Definition: Specifies a numeric string with an exact length of 4 digits.

Type: Text

Format

pattern	[0-9]{4}
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44.2.9.9 Exact6AlphaNumericText

Definition: Specifies an alphanumeric string with a length of 6 characters.

Type: Text

Format

pattern	[a-zA-Z0-9s]{6}
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44.2.9.10 Max1000Text

Definition: Specifies a character string with a maximum length of 1000 characters.

Type: Text

Format

minLength	1
maxLength	1000

44.2.9.11 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

minLength	1
maxLength	104

44.2.9.12 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}

44.2.9.13 Max10KText

Definition: Specifies a character string with a maximum length of 10 000 characters.

Type: Text

Format

minLength 1
maxLength 10000

44.2.9.14 Max10NumericText

Definition: Specifies a numeric string with a maximum length of 10 digits.

Type: Text

Format

pattern [0-9]{1,10}

44.2.9.15 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

minLength 1
maxLength 10

44.2.9.16 Max11NumericText

Definition: Specifies a numeric string with a maximum length of 11 digits.

Type: Text

Format

pattern [0-9]{1,11}

44.2.9.17 Max12NumericText

Definition: Specifies a numeric string with a maximum length of 12 digits

Type: Text

Format

pattern [0-9]{1,12}

44.2.9.18 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
maxLength	140

44.2.9.19 Max15NumericText

Definition: Specifies a numeric string with a maximum length of 15 digits.

Type: Text

Format

pattern	[0-9]{1,15}
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44.2.9.20 Max15Text

Definition: Specifies a character string with a maximum length of 15 characters.

Type: Text

Format

minLength	1
maxLength	15

44.2.9.21 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}
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44.2.9.22 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

minLength	1
maxLength	16

44.2.9.23 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}
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44.2.9.24 Max19NumericText

Definition: Specifies a numeric string with a maximum length of 19 digits.

Type: Text

Format

pattern	[0-9]{1,19}
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44.2.9.25 Max2048Text

Definition: Specifies a character string with a maximum length of 2048 characters.

Type: Text

Format

minLength	1
maxLength	2048

44.2.9.26 Max20KText

Definition: Specifies a character string with a maximum length of 20 000 characters.

Type: Text

Format

minLength	1
maxLength	20000

44.2.9.27 Max20Text

Definition: Specifies a character string with a maximum length of 20 characters.

Type: Text

Format

minLength	1
maxLength	20

44.2.9.28 Max23NumericText

Definition: Specifies a numeric string with a maximum length of 23 digits

Type: Text

Format

pattern	[0-9]{1,23}
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44.2.9.29 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.

Type: Text

Format

minLength	1
maxLength	256

44.2.9.30 Max2NumericText

Definition: Specifies a numeric string with a maximum length of 2 digits.

Type: Text

Format

pattern	[0-9]{1,2}
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44.2.9.31 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}
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44.2.9.32 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.

Type: Text

Format

minLength	1
maxLength	350

44.2.9.33 Max35NumericText

Definition: Specifies a numeric string with a maximum length of 35 digits.

Type: Text

Format

pattern	[0-9]{1,35}
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44.2.9.34 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength	1
maxLength	35

44.2.9.35 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.

Type: Text

Format

minLength	1
maxLength	37

44.2.9.36 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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44.2.9.37 Max4000Text

Definition: Specifies a character string with a maximum length of 4000 characters.

Type: Text

Format

minLength	1
maxLength	4000

44.2.9.38 Max40Text

Definition: Specifies a character string with a maximum length of 40 characters.

Type: Text

Format

minLength	1
maxLength	40

44.2.9.39 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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44.2.9.40 Max4Text

Definition: Specifies a character string with a maximum length of 4 characters.

Type: Text

Format

minLength	1
maxLength	4

44.2.9.41 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

minLength	1
maxLength	500

44.2.9.42 Max50Text

Definition: Specifies a character string with a maximum length of 50 characters.

Type: Text

Format

minLength	1
maxLength	50

44.2.9.43 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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44.2.9.44 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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44.2.9.45 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

minLength	1
maxLength	6

44.2.9.46 Max70Text

Definition: Specifies a character string with a maximum length of 70characters.

Type: Text

Format

minLength	1
maxLength	70

44.2.9.47 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

minLength	1
maxLength	76

44.2.9.48 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}

44.2.9.49 Max8NumericText

Definition: Specifies a numeric string with a maximum length of 8 digits.

Type: Text

Format

pattern [0-9]{1,8}

44.2.9.50 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}

44.2.9.51 Max99Text

Definition: Specifies a character string with a maximum length of 99 characters.

Type: Text

Format

minLength	1
maxLength	99

44.2.9.52 Min2Max3AlphaText

Definition: Specifies an alpha string with a minimum length of 2 characters and a maximum length of 3 characters.

Type: Text

Format

pattern [a-zA-Z]{2,3}

44.2.9.53 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}

44.2.9.54 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}

44.2.10 Time

44.2.10.1 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